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INVENTOR: Klimov, A. G.; Zotov, N. G.; Gaydenko, A. A.; Argunova, V. I.

ORG: none

TITLE: Preparati ²⁷ of hydrofluoric acid. Class 12, No. 178796

SOURCE: Izobreteniya, promyshlennyye obrabotki, tovarnyye znaki, no. 4, 1966, 16

TOPIC TAGS: chemical decomposition, fluorite, hydrofluoric acid, acid decomposition

ABSTRACT: This Author Certificate introduces a method of preparation of hydrofluoric acid by decomposition of fluorite. An increased recovery is achieved by decomposing fluorite concentrate with orthophosphoric acid at 250C. [JK]

SUB CODE: 07/ SUBM DATE: 24Mar65/ ATD PRESS: 4222

Card 1/1 BK

UDC: 546.161.07

SHUFMAN, L.I.; ZOTOV, B.K.

New method for the wiring of the secondary commutation wires on panels.
Prom.energ. 16 no.5:40-42 My '61. (MIRA 14:7)
(Electric apparatus and appliances)

ZOTOV, Boris Sergeevich; LETNEV, B.Ya., red.

[Thermal-power plants] Teplosilovye ustanovki. Mo--
skva, Kolos. Pt.2. 1964. 351 p. (MIRA 17:12)

ZOTOV, Boris Sergeyevich; IL'IN, Nikolay Mikhaylovich; SHUTYY, L.P.,
redaktor; KOGAN, F.L., tekhnicheskij redaktor

[Electric equipment of automobiles and tractors] Elektrooborudovanie
avtomobilei i traktorov. Moskva, Nauchno-tekhn. izd-vo avtotransp.
lit-ry, 1956. 254 p. (MLRA 9:10)

(Automobiles--Electric equipment)
(Tractors--Electric equipment)

ZOTOV, A.P., polkovnik med.sluzhby; SHUMOVA, S.V., polkovnik med.sluzhby

Analysis of injuries and preventive measures; hospital data. Voenn.-
med.zhur. no.9:7-10 S '58. (MIRA 12:12)

(ACCIDENTS, prev. & control
in armed forces personnel (Rus))
(ARMED FORCES PERSONNEL, dis.
accid., prev. (Rus))

GOYKOLOV, Ye.F.; KANTOROVICH, I.G., inzh.; PETROV, P.V.; RAYTSSESS, A.Ya.;
CHERNOV, A.V., inzh.; SHASHKOV, V.F.; SHISHKOV, I.A.; SHMIDT,
Kh.M.; KEYMAKH, L.I., retsenzent; KUDRYAVTSEV, A.V., retsenzent;
V redaktirovani primimali uchastiye: ZOTOV, A.V.; TELYANER,
D.M.. SHIRKOVA, G.M., red.izd-va; STEPANOVA, E.S., tekhn.red.;
RUDAKOVA, N.I., tekhn.red.

[Handbook for builders of reinforced concrete industrial chimneys
and silos] Spravochnik stroitelia zhelezobetonnykh zavodskikh
trub i silosov. Pod red. A.V.Chernova. Moskva, Gos.izd-vo lit-ry
po stroit., arkhitekt. i stroit.materialam, 1959. 300 p.
(MIRA 13:1)

(Silos)

(Chimneys)

SHAFIRO, G.A.; ZOTOV, B.K.

Are horizontal partitions between power cables in cable tunnels
necessary? Prom.energ. 15 no.4:32 Ap '60.
(MIRA 13:6)

1. Elektromontazh -54.
(Electric lines--Underground)

SULKOVSKIY, V.P., insh.; ZOTOV, B.K., insh.

Safety of equipment-installing personnel working in operating
electrical systems. Prom.energ. 20 no.12:25 D '68.
(MIRA 18:12)

ZOTOV, BORIS SERGEYEVICH

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ELEKTROBORUDOVANIYE AVTOMOBILEY I TRAKTOROV (ELECTRICAL EQUIPMENT
OF AUTOMOBILES AND TRACTORS, BY) B. S. ZOTOV I N. M. IL'IN. MOSKVA,
AVTOTRANSIZDAT, 1956.

254 p. DIAGRS., TABLES.

SOV/124-58-5-5900

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p 137 (USSR)

AUTHORS: Vol'vich, S.I., Zotov, B.Ye.

TITLE: On a New Method for the Calculation of Continuous Beams (K raschetu nerazreznykh balok po novomu metodu)

PERIODICAL: Sb. nauchn. soobshch. Saratovsk. avtomob.-dor. in-ta, 1957, Nr 7, pp 53-56

ABSTRACT: By using the known formulas the values of the load terms and the abscissae of the center of gravity of the load curve necessary for the design calculation of continuous girders are worked out for particular cases of moment-of-inertia variation and for the simplest cases of beam loading.

N.K. Snitko

1. Beams--Mathematical analysis
2. Girders--Mathematical analysis

Card 1/1

ZOTOV, B. Ye

Zotov, B. Ye

"Free Oscillations of Linearly Compressed Girders." Min Higher Education USSR. Saratov Automobile and Road Inst imeni V. M. Molotov. Saratov, 1955. (Dissertation for the Degree of Candidate in Technical Sciences.)

SO: Knizhnaya Letopis', No. 27, 2 July 1955

SOV/124-58-7-8102

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 7, p 113 (USSR)

AUTHOR: Zotov, B. Ye.

TITLE: The Calculation of Continuous Beams According to a Statically Determinate Hypothesis (The Method of Professor S. I. Vol'vich)
[Raschet nerazreznykh balok po staticheski opredelimoy skheme (Metod professora S. I. Vol'vicha)]

PERIODICAL: Sb. tekhn. inform. Saratovgiprogorsel'stroy, 1957, iyun', pp 8-13

ABSTRACT: The calculation of nonuniform continuous beams is accomplished with the use of "temporary fixed points", i. e., of the projections onto the beam axis of the centers of gravity of the reduced moment distribution curves resulting from the action of the support moments due to a unit load. At these points ordinates are plotted which are inversely proportional to the magnitudes of the reduced areas; the location of all the permanent fixed points is then determined graphically. For the rest, the beam is calculated in the usual way, i. e., with the aid of a basic system in the form of a multispans cantilever-suspension-type system.

Card 1/1

N. K. Snitko

1. Beams--Mechanical properties 2. Mathematics--Applications

ZOTOV, D.

Make profitableness your goal! Mor. flot. 25 no. 12:
10-12 D '65. (MIRA 18:12)

1. Zamestitel' ministra Morskogo flota SSSR.

ZOTOV, D.

Buoy mooring. Mor.flot 17 no.1:23 Ja '57.
(Anchorage)

(MLRA 10:3)

27
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%CTOV, D., inzhener-sudovoditel'

Method of riding out a storm at sea by the structural characteristics
of the vessel. Mor.flot 15 no.9:11 S'55. (MIRA 8:11)

1. Kapitan teplokhoda "Arkhangel'sk"
(Navigation) (Ships)

ZAYDLER, M., inshener; ZOFOV, F.

Stock scaffoldings for large block building. Stroitel' 2 no.8:15
Ag '56. (MIRA 9:12)

(Scaffolding)

ZOTOV, D.

Improve the level of fleet operations. Mor. flot 22
no.9:1-3 S '62. (MIRA 15:12)

1. Zamestitel' ministra morskogo Flota SSSR.
(Merchant marine)

28700 11/11
SAAKYAN, A.; KURBANOV, L.; ZOTOV, D.A., red.; VOLYANSKAYA, O.A., tekhn.red.

[Brief outline of the economic development of the Turkmen S.S.R.]
Kratkii ocherk ekonomicheskogo razvitiia Turkmenskoi SSR. Ashkhabad,
Turkmenskoe gos.izd-vo, 1957. 193 p. (MIRA 11:3)
(Turkmenistan--Economic conditions)

**BERDYKLYCHEV, Murad Gapsyevich; DOBROVOL'SKIY, Yu.A., prof., red.; ZOTOV,
D.A., red.; VOLYANSKAYA, O.A., tekhn.red.**

[Public health in the Turkmen S.S.R.] Zdravookhranenie Turkmenskoi
SSR. Pri uchastii i pod red. IU.A.Dobrovol'skogo. Ashkhabad,
Turkmenskoe gos. izd-vo, 1957. 247 p. (MIRA 11:3)

1. Chlen-korrespondent Akademii nauk TSSR (for Berdyklychev)
(TURKMENISTAN--PUBLIC HEALTH)

VISHNEPOL'SKIY, S.A., kand. ekon. nauk; BAYEV, S.M., imh. putay scob-
shcheniya; BONDARENKO, V.S.; RODIN, Ye.D.; CHUVLEV, V.P.;
TURETSKIY, L.S.; SMIRNOV, G.S.; SHAPIROVSKIY, D.B.; OBERMEYSTER,
A.M.; SINITSIN, M.T.; KOGAN, N.D.; PETRUCHIK, V.A.; GRUNIN, A.G.;
KOLESNIKOV, V.G.; MARTINOSOV, A.Ye.; KROTKIY, I.B. [deceased];
ZENEVICH, G.B.; MEZENTSEV, G.A.; KOLAKOYTSSEV, V.P., kand. tekhn. nauk;
ZAMAKHOVSKAYA, A.G., kand. tekhn. nauk; MAKAL'SKIY, I.K., kand.
ekon. nauk; MITROFANOV, V.F., kand. ekon. nauk; CHILIKIN, Ya.A.;
BAKAYEV, V.G., doktor tekhn. nauk, red. Prinsipali uchastiye:
DZHAVAD, Yu.Kh., red.; GUBERMAN, R.L., kand. ekon. nauk, red.;
RYABCHIKOV, P.A., red.; YAVLENSKIY, S.D., red.; BAYRASHEVSKIY,
A.M., kand. tekhn. nauk, red.; POLYUSHKIN, V.A., red.; BALANDIN,
G.I., red.; ZOTOV, D.K., red.; RYZHOV, V.Ye., red.; HOL'SHAKOV, A.N.,
red.; VUL'FSON, M.S., kand. ekon. nauk, red.; IMITRIYEV, V.I., kand.
ekon. nauk, red.; ALEKSANDROV, L.A., red.; LAVRENOVA, H.B., tekhn.
red.

[Transportation in the U.S.S.R.; marine transportation] Transport
SSSR; morskoi transport. Moskva, Izd-vo "Morskoi transport,"
1961. 759 p. (MIRA 15:2)

(Merchant marine)

ZOTOV, D. M.

Operation of clarifiers developed by the All-Union Hydraulic and
Sanitary Engineering Research Institute. Vod. i san. tekhn. no.9:
35-36 S '61. (MIRA 14:11)

(Water--Purification)

AID P - 4244

Subject : USSR/Engineering
Card 1/1 Pub. 128 - 2/33
Authors : Vernik, A. B., Laureate of the Stalin Prize, Engineer,
and F. S. Zotov, Engineer
Title : Separate drive for leading wheels of bridge cranes
of great lifting capacity.
Periodical : Vest. mash., #1, p. 7-12, Ja 1956
Abstract : The construction of the undercarriage of large bridge
cranes is outlined and especially the construction of
separate drive installations for leading wheels is
presented. Diagrams, photos.
Institution : None
Submitted : No date

VERNIK, A.B., laureat Stalinskoy premii, inzhener; ZOTOV, P.S.

Separate drives for the running wheels of large load capacity
bridge cranes. Vest.mash. 36 no.1:7-12 Ja '56. (MLRA (;3)
(Cranes, derrick, etc.)

ZOTOV, F.Ya.

Recollections about V.K.TSeraskii. Ist.-astr.issl.no.1:335-342
'55. (MLRA 9:12)
(TSeraskii, Vitol'd Karlovich, 1849-1925)

ZOTOV, G., kand.ekonom.nauk

Structural changes in the organizational trade forms in capitalist
countries. Sov. torg. 36 no.9:50-54 S '63. (MIRA 16:10)

ZOTOV, G.

Answer to the periodical "Business week". Sov. torg. 33 no.12:42-43
D '59. (MIRA 13:2)
(United States--Installment contracts)

MEN'ZHINSKIY, Ye.; ZOTOV, G.

Bidding in international trade. Vnesh. terg. 28 no.9:28-33 '58,
(MIRA 11:10)
(Public contracts)

ZOTOV, G.; ADADUROV, Yu.; CHEPURNOY, I.

New ideas in fire tank designs. Pozh.delo 3 no.5:5-6 My '57.
(MIRA 10:7)
(Fire extinction--Water supply)

1. ZMIRNOV, V., ZOTOV, G., Engs.
2. USSR (600)
4. Lumber
7. Expand the production of glued parts. Za ekon mat. No. 1 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

BEREZIN, Vasilii Pavlovich; ZUTOV, Georgiy Aleksandrovich;
SHALAYEV, Stepan Alekseyevich; TERMOLIN, I.P., red.;
MYAKUSHKO, V.P., red.izd-va; KARLOVA, G.L., tekhn. red.

[Potentials for increasing labor productivity; from the
work practice of the Olenino Lumbering Camp] Rezervy rosta
proizvoditel'nosti truda; iz opyta raboty Oleninskogo les-
promkhoza. Moskva, Goslesbumizdat, 1963. 77 p.

(MIRA 16:12)

(Olenino (Kalinin Province))--Lumbering--Labor produktivity)

KOROTAYEV, Yu.P.; ZOTOV, G.A.

Calculations of technical operating conditions of gas wells by
the method of gradual changes of stationary states. Trudy
VNIIGAZ no.9:112-130 '60. (MIRA 16:7)
(Gas wells)

ZOTOV, G.A., Inzh.

Loader for loading fertilizers and chemicals into an airplane. Trakt. 1.
kol'hoz mash. no. 7:33-39 JI '64. (MIRA 18:7)

1. L'vovskaya mashinolspytatel'naya stantsiya.

ZOTOV, G.A.; BEREZIN, V.P.; SHALAYEV, S.A.; KESSEL', I.V.;
POLYANTSEV, V.A., red.

[Olenino Logging Camp] Oleninskii lesopromkhoz. Khimki,
TSentr. nauchno-issl. in-t mekhanizatsii i energetiki
lesnoi promyshl., 1962. 30 p. (MIRA 16#4)
(Olenino region--Lumbering)

ZOTOV, G.A.; TVERKOVKIN, S.M.

Using nonstationary hydrodynamic methods for investigating
gas wells in the Gazli field. Gaz. delo. no.2:3-10 '64.
(MIRA 17:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnogo
gaza.

BRANDT, Georgiy Georgiyevich [deceased]; MAZUR, Moisey Ven'yaminovich
[deceased]; TAMARKIN, Mark L'vovich; RAMM, A.I., red.; ZOPOV, G.A.,
red.; PEYCH, N.N., red.; RANTSEV, A.A., red.; MOROZOVA, A.N.,
red.izd-va; KUZNETSOVA, A.I., tekhn.red.

[English-Russian timber dictionary] Anglo-russkii lesotekhnicheskii slovar'. Izd.1. Moskva, Goslesbumizdat, 1960. 414 p.
(MIRA 14:4)

(Lumbering--Dictionaries)
(English language--Dictionaries--Russian)

**KOROTAYEV, Yu. P., KORCHAZHKIN, M.T., ZOTOV, G.A., ZHAROV, N.V.,
MAKSIMOV, V.P., PETUKHOV, Ye. I., VOYTSITSSKIY, V.P.**

Mobile unit for the complete investigation of gas wells.
Gas.prom. 5 no.2:8-13 P 160. (MIRA 13:6)
(Gas wells)

KOBOTAYEV, Y.P.; FVERKOVKIN, S.M.; ZOTOV, G.A.

Testing gas wells without gas losses. Gaz.prom. 5
no.7:1-5 '60. (MIRA 13:7)
(Gas wells)

11(2) PAGES I BOOK REPRODUCTION 501/2253

Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnogo gaza

Nauchnaya i eksperimental'naya laboratoriya razvitiya i ispol'zovaniya gazov (Development and Application of Gas Fields, Transportation of Gas) Moscow, Oostroyshchinskaya, 1999, 353 p. (Series: Izv. Vsesoyuznogo nauchno-issledovatel'skogo instituta prirodnogo gaza, 1999, 1, 500 copies printed.)

Sponsoring Agency: Otkrytye upravleniye gazovoy promyshlennosti pri Sovete Ministrov SSSR.

Mo. i. Ye. M. Minkhly and V.F. Babitskiy. Exec. Ed.: M.P. Maryamov; Trans. Ed.: A.S. Polozhina.

PURPOSE: This collection of articles is intended for scientists, engineers, and technicians associated with the gas industry.

COVERAGE: The articles discuss the development of gas fields, natural gas recovery, gas transportation, and subsurface gas conservation. Gas field operating conditions are analyzed from the commercial point of view. The author notes that due to the specific geological conditions prevailing in the Soviet Union the application of gas extraction methods of the type used in the West is not always advantageous. Individual articles discuss the problems of the development of gas fields with vertical and horizontal fractures, the theory of the study of gas condensate. A number of articles are devoted to the study of unestablished gas flow in pipelines, and discuss theoretical problems connected with the performance of gas ejectors and compressors. The authors also deal with corrosion of the inner surface of gas pipelines. Conclusions made by the authors are supported by mathematical calculations. In parentheses are mentioned. References accompany each article.

Khodovskiy, I.Ye., and P.G. Nizhnik. On the Automated Determination of Gas Flow in Pipelines	201
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GONIK, A.A.; ZOTOV, G.A.; ROKHLENKO, D.B.; GATSKOVICH, V.A., red.

[Profitable types of rafts] Rentabel'nye tipy plotov. [Moskva]
M-vo lesnoi promyshl. SSSR [1957] 12 p. (MIRA 11:11)
(Lumber--Transportation)

ZOTOV, G.A.; ROKHLENKO, D.B.

[Kresttsy logging camp of the Central Scientific Research Institute
for Mechanization and Power Engineering in Lumbering] Krestetskii
lespromkhoz TsNIIME. [n.p.] M-vo lesnoi promyshl. RSFSR, 1957. 67 p.
(MIRA 11:11)

(Kresttsy--Lumbering)

ZOTOV, G.A.

Calculating the flow resistances of a well imperfect with respect
to the degree of drilling in case of nonlinear flow. Trudy VNIIGAZ
no.18/26:64-70 '63. (MIRA 18:3)

KOROTAYEV, Yu.P.; ZOTOV, G.A.

Concerning the shape of the indicator curves of a well comprised of several producing horizons. Trudy VNIIGAZ no.18/26:97-104, '63.

Investigating nonstationary gas flow in gas wells. Ibid.:119-141

Using gas-well pressure stabilization curves to determine reservoir parameters. Ibid.:164-172 (MIRA 18:3)

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MINSKIY, Ye.M.; KOROTAYEV, Yu.P.; ZOTOV, G.A.

Approximate solution of a problem concerning the steady-state flow
of real gases. Trudy VNIIGAZ no.18/26:105-113 '63.

(MIRA 18:3)

KOROTAYEV, Yu.P.; ZOTOV, G.A.; ABRAMOVA, Ye.S.

Practical method and examples of the analysis of the pressure
build-up curves in gas wells. Trudy VNIICAZ no.18/26:142-163
'63. (MIRA 18:3)

ZOTOV, G.A.; KOROTAYEV, Yu.P.; POCHUYEVA, Ye.A.

Determining the position of the zones of lithological and tectonic
screening from the pressure build-up curves in gas wells. Trudy
VNIIGAZ no.18/26:173-182 '63. (MIRA 18:3)

ZOTOV, G.A.

The RES-2 electric brush-cutting machine. Biol. tekhn.-ekon. inform.
no.1:58-59 '57. (MIRA 11:4)
(Lumbering--Machinery)

MINSKIY, Ye.M.; KOROTAYEV, Yu.P.; ZOTOV, G.A.

Determining the parameters of a layer from curves of the in-
creasing pressure in gas wells. Gaz.prom. 4 no.5:4-7 My '59.
(MIRA 12:7)

(Gas wells)

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AUTHOR APPROVED FOR RELEASE Thursday, September 26, 2002

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"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510003-9
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510003-9"

PORTNOV, I.G.; ZOTOV, G.A.

Consecutive performance of gas ejectors at steady above critical
point rates. Trudy VNIIGAZ no.5:267-284 '59. (MIRA 12:9)
(Gas flow)

ZOTOV, G.A., ROKHLENKO, D.B.; RANTSEV, A.A., red.

[Krestets logging camp of the Central Scientific Research Institute
for Mechanization and Power Engineering in the Forest Industry]
Krestetskii lespromkhoz TsNIIME. [N.p.] M-vo leanoi promyahl.
RSFSR, 1957. 20 p. (MIRA 11:11)
(Krestets--Lumbering)

Kresttsy District - Lumbering

Year of work of the Kresttsy Lumber Camp. Les. prom. 11 No. 7, 1951.

9. Monthly List of Russian Accessions, Library of Congress, December 1952 ~~1953~~ Uncl.

BEREZIN, V.P., inzhener; BOYOV, G.A., inzhener.

Experience of the most efficient lumber camps. Mekh. trud. rab. 7 no. 7:
5-10 J1 '53. (MLRA 6:7)
(lumber camps)

BARYSHNIKOV, A. I. : ZOTOV, G. A.

Lumbering - Kresttsy lumber camp.

Year of work in the Kresttsy lumber camp. Les. prom. 11 no. 7, 1951.

9. Monthly List of Russian Accessions, Library of Congress, December 1952-1953. Unclassified.

ACC NR: AP6001000

(N)

SOURCE CODE: UR/02/16/65/000/022/00165/00166

AUTHOR: Zotov, G. A.

18
13

ORG: none

TITLE: Device for indicating the pendulum phase of a gravimetric pendulum instrument.
Class n2, No. 176435

12,44.55

SOURCE: Byulleten' izobretaniy i tovarnykh znakov, no. 22, 1965, 66

TOPIC TAGS: gravimeter, pendulum

ABSTRACT: This Author Certificate presents a device for indicating the pendulum phase of a gravimetric pendulum instrument by utilizing photocells. To increase the accuracy of measurement by the pendulum instrument, diffraction gratings are rigidly mounted in the instrument at the lower ends of the pendulums, parallel to their plane of oscillation.

SUB CODE: 08/

SUBM DATE: 10Nov62

Card 1/1 HW

WTC: 550.811

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510003-9
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510003-9"

MELAMED, G.I.; TSVETKOV, V.D.; AYZMAN, D.S.; ZOTOV, G.I., inzh.,
retsenzent; LIVSHITS, Sh.Ya., inzh., red.

[Machine-tool units] Agregatnye stanki. Moskva, Izd-vo
"Mashinostroenie," 1964. 422 p. (MIRA 17:6)

EYLENTUKH, A.M., inzh.; ZOTOV, G.M., inzh.

Choice of the parameters of an electric network for connecting
electric motors. Vest. svyazi 22 no.12:15 D '62. (MIRA 16:1)
(Electric driving)

POLYANIN, D.V.; ZOTOV, G.M.; GRYAZNOV, E.A.; MENZHINSKIY, Ye.A.; RUBININ, A.Ye.; CHEBOTAREVA, Ye.D.; ZAKHMATOV, M.I.; OKUNEVA, L.P.; SHMELEV, V.V.; STULOV, A.A.; POKHOVSKIY, A.N.; SHIL'OKRUT, V.A.; IVANOV, A.S.; NABOROV, V.B.; FINGENOV, V.P.; KUR'TEROV, V.G.; KHRAMTSOV, B.A.; BATYGIN, K.S.; BOGDANOV, O.S.; KROTOV, O.K.; GONCHAROV, A.N.; KRESTOV, B.D.; LYURSKIY, M.S.; SOKOL'NIKOV, G.O.; KAMENSKIY, N.N.; YASHCHENKO, G.I.; SADEL'NIKOV, L.V.; GERCHIKOVA, I.N.; FEDOROV, B.A.; STEPANOV, G.P.; BORODAYEVSKIY, A.D.; INGATUSHCHENKO, S.K.; VARTUMYAN, E.L.; KAPELINSKIY, Yu.N., red.; MAYOROV, B.V., red.; NABOROV, V.B., red.; SOLODKIN, R.G., red.; DROZDOV, A.G., red.; ROSHQHINA, L., red.; SOLOV'YEVA, G., mladshiy red.; CHEPELEVA, O., tekhn. red.

[The economy of capitalist countries in 1961; economically developed countries] Ekonomika kapitalisticheskikh stran v 1961 godu; ekonomicheski razvitye strany. Pod red. Iu.N.Kapelinskogo. Moskva, Sotsekgiz, 1962. 447 p. (MIRA 16:2)
(Economic history)

ZOTOV, German Mikhaylovich; BORISOVA, K., red.; DARONYAN, M., mlad-
shiy red.; NOGINA, N., tekhn. red.

[Retail trade in the United States] Roznichnaya torgovlia v
SShA. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1961. 164 p.
(MIRA 15:2)

(United States--Retail trade)

ZOTOV, G.M., inzh.

Automatic stop mechanisms for high-speed knitting machinery.
Tekst.prom. 21 no.3:60-62 Mr '61. (MTRA 14:3)
(Knitting machines)

KAPELINSKIY, Yu.N.; POLYANIN, D.V.; ZOPOV, G.M.; IVANOV, I.D.; SERGEYEV, Yu.A.; MENZHINSKIY, Ye.A.; KOSTYUKHIN, D.I.; DUDUKIN, A.N.; IVANOV, A.S.; FINGENOV, V.P.; ZAKHMATOV, M.I.; SOLODKIN, R.G.; DUSHEN'KIN, V.N.; BOGDANOV, O.S.; SEROVA, L.V.; GONCHAROV, A.N.; LYUBSKIY, M.S.; PUCHIK, Ye.P. [deceased]; KAMENSKIY, N.N.; SABEL'NIKOV, L.V.; GERCHIKOVA, I.N.; FEDOROV, B.A.; KARAVAYEV, A.P.; KARPOV, L.N.; VARTUMYAN, E.L.; SHIPOV, Yu.P.; ROGOV, V.V.; BOGDANOV, I.I.; VLADIMIRSKIY, L.A.; LEBEDEV, B.I.; ANAN'YEV, P.G.; TRINICH, F.A.; GOLOVIN, Yu.M.; MATYUKHIN, I.S.; SEYFUL'MULYUKOV, A.M.; SHIL'DKROT, V.A.; ALEKSHYEV, A.F.; BORISENKO, A.P.; CHURAKOV, V.P.; SHASTITKO, V.M.; GERUS, V.G.; ORLOV, N.V., red.; KAPELINSKIY, Yu.N., red.; GORYUNOV, V.P., red. V redaktirovani primali uchastiye: BELOSHAPKIN, D.K., red.; GEORGIYEV, Ye.S., red.; KOSAREV, Ye.A., red.; PANKIN, M.S., red.; PICHUGIN, B.M., red.; SHKARENKOV, Yu.S., red.; MAKAROV, V., red.; BORISOVA, K., red.; CHEPELEVA, O., tekhn.red.

[The economy of capitalistic countries in 1958] Ekonomika kapitalisticheskikh stran v 1958 godu. Pod red. N.V.Orlova, I.U.N.Kapelinskogo, V.P.Goriunova. Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1959. 609 p. (MIRA 12:12)

1. Moscow. Nauchno-issledovatel'skiy kon'yunktorny institut.
(Economic conditions)

ZOTOV, G.N., aspirant

Adoption of a system of preferable figures for the unification of
industrially produced buildings in lumbering industry enterprises.
Sbor.trud. LIIZHT no.181:78-106 '62. (MIRA 16:9)

ZOTOV, G.N.

Applying preferred numbers in promoting module dimensions in
building. Standartizatsia 24 no.2:6-10 F '60. (MIRA 13:5)
(Modular coordination (Architecture))

137-58-6-11641

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 59 (USSR)

AUTHOR: Zotov, G.V.

TITLE: On the Question of Eliminating Continuous Washing of the Collector Electrodes of Blast-furnace Shop Gas Cleaning Electrical Precipitators (K voprosu ob otkaze ot postoyannoy promyvkhi osaditel'nykh elektrodov elektrofil'trov gazoochistok domennykh tsekhov)

PERIODICAL: Sb. statey. Gos. in-t tipovogo proyektir. i tekhn. issled., 1957, Vol 3, pp 38-55

ABSTRACT: The use of electrostatic precipitators (E) for the fine cleaning of blast furnace gas is a generally recognized procedure. Currently, the plants of the ferrous metals industry employ tubular E consisting of a system of tubes of 230-300 mm diameter, 3500-4500 mm long. The E are built for a gas capacity of 75-120,000 m³/hr, with 300 or more collector electrodes, and are designated, respectively, as types DM-300, DM-316, etc. In order to prevent the precipitation of blast-furnace flue dust on the surfaces of the electrodes, continuous washing is performed. This requires a markedly larger

Card 1/2

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On the Question of Eliminating (cont.)

amount of technically pure water than would otherwise be the case in the counterflow gas-cleaning cycle and large expenses for construction and operation. Thus, for example, the water consumption at a metallurgical plant with two or three blast furnaces of 1033 m³ capacity is 300-450 m³/hr. At the Kosaya Gora Metallurgical Plant, a test was run in the operation of DM-300 E with periodic washing of the precipitating electrodes once or twice per shift. It was established that the dust content of blast-furnace gas passing through E operating without continual washing was lower than with continual washing. This measure permits reduction of the water consumption of a gas-cleaning installation by 20% on the average.

B.S.

1. Blast furnaces--Equipment
2. Electrodes--Maintenance

Card 2/2

YAMPOL'SKIY, T.S.; ZOTOV, G.V.

[Catalog and handbook on cooling towers] Katalog-spravochnik po gradirniam. Moskva, 1962. 109 p. (MIRA 1966)

1. Moscow. Gosudarstvennyy institut tipovogo i eksperimental'nogo proyektirovaniya i tekhnicheskikh issledovaniy. 2. Mashal'nik otdela promyshlennykh vodoprovodnykh sooruzheniy Gosudarstvennogo instituta tipovogo i eksperimental'nogo proyektirovaniya i tekhnicheskikh issledovaniy (for Yampol'skiy). 3. Otdel promyshlennykh vodoprovodnykh sooruzheniy Gosudarstvennogo instituta tipovogo i eksperimental'nogo proyektirovaniya i tekhnicheskikh issledovaniy (for Zotov).

(Cooling towers)

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APPROVED FOR RELEASE Thursday, September 26, 2002 CIA-RDP80-01538D0005510003-9

Electrolytic determination of nickel without the use of platinum electrodes. L. I. Pavovskii and G. V. Zolov. *J. Applied Chem. (U. S. S. R.)* 10, 1700-5 (in French 1705) (1937).--Results comparable to those obtained with Pt electrodes can be obtained with a Ni cathode and Fe anode. Eleven references. A. A. Podgorny

AS 51.1 METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX

Physical chemical causes of irregularities in dyeing anti-

25

blue black. O. V. Zolny, *Kolloidchem. Zentr.* 10, No. 11-12, 81(1940); *Chem. Zentr.* 1941, II, 2361; cf. C. A. 26, 6654. —Nap-paddings contg. K are more stable than those contg. Na; they do not darken so readily during storage before printing with reserve colors. The darkening takes place (1) on heavy fabrics which are insufficiently dried or leave the drying chamber while too hot, (2) mostly in the summer (3) during transportation, (4) if the padding liquor is used after standing for 5-6 hrs. From a theoretical discussion of the vapor pressure of the acid, salts in the padding liquor and their solvent powers Z. concludes that the formation of irregularities can be decreased greatly by the addition of KCl to the Na baths and by proper drying. Leopold Scheffka

118-11A METALLURGICAL LITERATURE CLASSIFICATION

RESEARCH TOPICS

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the theory of dyeing with aniline black. G. V. Zepin, *Khlopchatel'mashinye* Press. 10, No. 1-2, 49-51 (1941); *Chem. Zentr.* 1940, II, 2683. The most likely mechanism of aniline-black dyeing is that proposed by Laitfuth and Gayard. The oxidized form of the catalyst, e. g., $\text{Fe}(\text{SO}_4)_2$, CuCl_2 or $\text{K}_3[\text{Fe}(\text{CN})_6]$, oxidizes with the aniline, and is itself reduced. This reduction product is oxidized by chlorate. The following processes are given for dyeing with aniline black. (1) Steam process with V salt: aniline-HCl 0.89, VOCl_3 0.00472, chlorate 0.37 mol. per l.; (2a) with $\text{K}_3[\text{Fe}(\text{CN})_6]$: aniline-HCl 0.60, $\text{K}_3[\text{Fe}(\text{CN})_6]$ $3\text{H}_2\text{O}$ 0.11, chlorate 0.28 mol. per l. (2) Oxidation process (textile mills) aniline-HCl 0.60, $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ 0.04, chlorate 0.15 mol. per l.; (2a) for furs: aniline-HCl 0.60, $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ 0.08, chlorate 0.09. The ratios of the components are $\text{C}_6\text{H}_5\text{NH}_2 \cdot \text{HCl}$: chlorate 1:0.0078; 1:0.01; 1:0.26; $\text{C}_6\text{H}_5\text{NH}_2 \cdot \text{HCl}$: catalyst 1:0.0008; 1:0.4; 1:0.07; 1:0.22; chlorate:catalyst 1:0.0008; 1:0.4; 1:0.26; 1:0.00. The effect of the $\text{K}_3[\text{Fe}(\text{CN})_6]$ is discussed. It acts as a catalyst and a neutralizer. It protects the textile from the acid formed by the hydrolysis of aniline-HCl. In the morning chamber it is transformed into $\text{K}_3\text{Fe}(\text{CN})_6$, and consequently the degree of acidity of the textile increases. Therefore, it becomes necessary to neutralize the acid with NH_3 , if the textile is not processed forthwith.

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PROCEDURES AND PROPERTIES NOTES

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Deviation of $\Delta E/\Delta pH$ from the Nernst relation in experiments with the glass electrode using a ballistic potentiometer. G. V. Zolov. *J. Applied Chem. (U. S. S. R.)* 18, 1831-4 (in French) (1945) (1946).—Sufficiently accurate results can be obtained in measuring pH with glass electrodes by the ballistic method without compensation, by using a buffer standard soln. for the calibration of the electrode.
A. A. Podgorny

ASS. S. I. A. METALLURGICAL LITERATURE CLASSIFICATION

8-477-172-1232

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GROUP	PERIODIC TABLE	ALPHABETIC	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FV	FW	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GV	GW	GX	GY	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN	HO	HP	HQ	HR	HS	HT	HV	HW	HX	HY	HZ	IA	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO	IP	IQ	IR	IS	IT	IV	IW	IX	IY	IZ	JA	JB	JC	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ	JR	JS	JT	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS	KT	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LV	LW	LX	LY	LZ	MA	MB	MC	MD	ME	MF	MG	MH	MI	MJ	MK	ML	MM	MN	MO	MP	MQ	MR	MS	MT	MV	MW	MX	MY	MZ	NA	NB	NC	ND	NE	NF	NG	NH	NI	NJ	NK	NL	NM	NN	NO	NP	NQ	NR	NS	NT	NV	NW	NX	NY	NZ	OA	OB	OC	OD	OE	OF	OG	OH	OI	OJ	OK	OL	OM	ON	OO	OP	OQ	OR	OS	OT	OV	OW	OX	OY	OZ	PA	PB	PC	PD	PE	PF	PG	PH	PI	PJ	PK	PL	PM	PN	PO	PP	PQ	PR	PS	PT	PV	PW	PX	PY	PZ	QA	QB	QC	QD	QE	QF	QG	QH	QI	QJ	QK	QL	QM	QN	QO	QP	QQ	QR	QS	QT	QV	QW	QX	QY	QZ	RA	RB	RC	RD	RE	RF	RG	RH	RI	RJ	RK	RL	RM	RN	RO	RP	RQ	RR	RS	RT	RV	RW	RX	RY	RZ	SA	SB	SC	SD	SE	SF	SG	SH	SI	SJ	SK	SL	SM	SN	SO	SP	SQ	SR	SS	ST	SV	SW	SX	SY	SZ	TA	TB	TC	TD	TE	TF	TG	TH	TI	TJ	TK	TL	TM	TN	TO	TP	TQ	TR	TS	TV	TW	TX	TY	TZ	UA	UB	UC	UD	UE	UF	UG	UH	UI	UJ	UK	UL	UM	UN	UO	UP	UQ	UR	US	UT	UV	UW	UX	UY	UZ	VA	VB	VC	VD	VE	VF	VG	VH	VI	VJ	VK	VL	VM	VN	VO	VP	VQ	VR	VS	VT	VV	VW	VX	VY	VZ	WA	WB	WC	WD	WE	WF	WG	WH	WI	WJ	WK	WL	WM	WN	WO	WP	WQ	WR	WS	WT	WV	WW	WX	WY	WZ	XA	XB	XC	XD	XE	XF	XG	XH	XI	XJ	XK	XL	XM	XN	XO	XP	XQ	XR	XS	XT	XV	XW	XX	XY	XZ	YA	YB	YC	YD	YE	YF	YG	YH	YI	YJ	YK	YL	YM	YN	YO	YP	YQ	YR	YS	YT	YV	YW	YX	YY	YZ	ZA	ZB	ZC	ZD	ZE	ZF	ZG	ZH	ZI	ZJ	ZK	ZL	ZM	ZN	ZO	ZP	ZQ	ZR	ZS	ZT	ZV	ZW	ZX	ZY	ZZ

BC

Electrolytic dissociation of complex cyanides of iron. H. V. Nekrasov and G. V. Zolov, *J. Appl. Chem. Russ.*, 1941, 14, 261-269. —The dissociation consts. of the first and second H atoms of $H_4[Fe(CN)_6]$ and of all three H of $H_3[Fe(CN)_6]$ are of the same order of magnitude as is that of HCl. Those of the third and fourth H of $H_4[Fe(CN)_6]$ are, respectively, 10^{-6} and 5×10^{-6} . R. T.

BC

B-II-6

Turbulent dyeing of wool at temperatures below 100°. Ch. V. Berry (J. Appl. Chem. Res., 1936, 9, 1014-1021).--The turbulent dyeing of Rowell and Thomas, B., 1936, (27) gives better results than the ordinary process if applied to wool (2); the dyeing of wool fibers and rabbit fur proceeds in the same way whether with or without air-bubbling. The turbulence promotes the diffusion and gives no other effect.
J. J. B.

Common Elements

OPEN

ASB-31A METALLURGICAL LITERATURE CLASSIFICATION

FROM 177-0010

0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\] ^ _ ` a b c d e f g h i j k l m n o p q r s t u v w x y z 0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\] ^ _ ` a b c d e f g h i j k l m n o p q r s t u v w x y z

B-D-C

Oxidative catalysis in sulfide-black drying.
B. V. Nazarov and G. V. Kozlov (J. Appl. Chem.
Russ. Ed. 1958, 31, 146). Catalyst production
of ammonia (I), consists of the reaction: (I) $Os +$
 $NH_3 \rightarrow Os + H_2O$; (II) $Os + Fe(CN)_6^{4-} \rightarrow Os + Fe(CN)_6^{3-}$
 $+ H_2O$; (III) $Os + Fe(CN)_6^{4-} + Cl_2 \rightarrow Os + Fe(CN)_6^{3-} + 2Cl^-$
 $+ Cl_2$. The velocity of reaction (I) varies in the
order $Fe > Fe(CN)_6^{4-} > Os$, and of (II) in the order
 $Os > Fe > Fe(CN)_6^{4-}$.
B. T.

ASB-34 METALLURGICAL LITERATURE CLASSIFICATION

Table with columns for classification codes (e.g., 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 00) and rows of classification data.

PROCESSOR AND OPERATOR NAME

BC

A-1

COMMON ELEMENTS
OPEN
MATERIALS INDEX

AL
AR
AS
AU
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Electrolytic determination of nickel without the use of platinum electrodes. L. I. FAVENHILL and G. V. ZOMBY. (*J. Appl. Chem. Russ.*, 1937, 10, 1700-1703).—Ni can be determined by the Frosendel-Bergmann method, using a Ni cathode and a passivated Fe anode. R. T.

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

SECTION	SUBSECTION	CLASSIFICATION	INDEX
01	02	03	04
05	06	07	08
09	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
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53	54	55	56
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61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
77	78	79	80
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100

117 AND 740 GROUPS PROCESSES AND PREPARATION METHODS

777

*Electrolytic Determination of Nickel Without Platinum Electrodes. I. I. Favorovskiy and G. V. Zolotarev (*Zhur. Priklad. Khimii* (*J. Applied Chem.*), 1937, 10, (9), 1700-1703). [In Russian.] The Fremy-Bergmann determination of Ni can be carried out with a Ni cathode and an anode of passive iron instead of Pt. The conditions recommended are: 150 c.c. of the solution containing 50 c.c. of ammonia solution and 5 gm. of crystallized ammonium sulphate; 2.4 v.; 0-13 amp. dm.²; 13-15 hrs. - N. A.

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

GROUP	SECTION	SUBSECTION	CLASSIFICATION	INDEX
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100

ca

Catalytic oxidation in dyeing with aniline black. B. V. Nekrasov and G. V. Zotov. *J. Applied Chem. (U. S. S. R.)* 12, 1140 (1939) French, 1148 (1939). The experimental results and conclusions of Lightfoot and Gayard (*Bull. Soc. Chim. [2]* 25, 58 (1876)) were confirmed; i. e., aniline interacts directly with the oxidized form of the catalyst and the catalyst is reoxidized by the chlorate. Both reactions are described in detail. The absence of direct oxidation of the aniline by the chlorate is in accordance with the results of Carpenter (*C. A.* 28, 8370). A. A. B.

ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION

Table with 26 columns representing chemical elements: H, He, Li, Be, B, C, N, O, F, Ne, Na, Mg, Al, Si, P, S, Cl, Ar, K, Ca, Sc, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Ga, Ge, As, Se, Br, Kr, Rb, Sr, Y, Zr, Nb, Mo, Tc, Ru, Rh, Pd, Ag, Cd, In, Sn, Sb, Te, I, Xe, Ba, La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Hf, Ta, W, Re, Os, Ir, Pt, Au, Hg, Tl, Pb, Bi, Po, At, Rn, Fr, Ra, Ac, Th, Pa, U, Np, Pu, Am, Cm, Bk, Cf, Es, Fm, Md, No, Lr.

Ca

Electrolytic determination of the complex oxides of iron. H. V. Nekrasov and G. V. Lelov. *J. Applied Chem. (U. S. S. R.)* 16, 284 (1944). In order to clarify MeOAc and MeOH, from 0% to 10% MeOAc, MeOAc and MeCO, from 0% MeOAc to 80%, and MeOH and MeCO, from 0% to 100% MeOH, as well as ternary mixts. MeOH:MeCO, 1:1, with MeOAc ranging from 10% to 80%, and MeOH:MeCO, 2:7, with MeOAc ranging from 10% to 80%. The plotted results make it possible to utilize the data for analytical work. In general the component curves give a straight line, except for analysis of mixts. of MeCO. Equations were derived for analysis of mixts. of the above substances. The amt. of MeOAc in mixt. with MeOH is given by $x_1 = (d_1 - 0.7912)/0.00131$, and in mixt. with MeCO by $x_2 = (d_2 - 0.7912)/0.00131$. The first equation gives percentage of MeOAc in limits of 94.4-99.9%, and the latter in limits of 80.5-102.2%. Amt. of MeCO in mixt. with MeOH is given by: $x_3 = (e_1 - 1.329)/0.000916$, in limits of 101.4-112.5%. The equations are given in terms of percentage of the component actually present in the mixt. O. M. Kuznetsov

ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION

SEARCH SYMBOLS	ISSUES	DATE	CLASSIFICATION	INDEXING

ca

Electrolytic dissociation of the cyanides of iron.
from: H. V. Nekrasov and G. V. Kozlov. *J. Applied Chem. (U. S. S. R.)* 16, 414-4 (1943). --In order to clarify the effect of ferrocyanide and ferricyanide salts on the weakening of cloth in the course of formation of aniline black, the electrolytic dissociation of $H_2Fe(CN)_6$ and $H_2Fe(CN)_5$ was studied by potentiometric titration of the K salts with HCl, by use of a combination of glass electrode and calomel half-cell. The results indicate a considerable difference in behavior of the two substances. Although the dissociation of the first two is of $H_2Fe(CN)_6$ classes it with the fairly strong acids, the last two is also dissociated, considerably less. The method of titration data, by extrapolation, gave the dissociation constants $K_1 = 1 \times 10^{-4}$ and $K_2 = 5 \times 10^{-5}$. $H_2Fe(CN)_5$ shows considerably greater dissociation, so that even the last is dissociated, comparably to that of HCl, and therefore this substance belongs in all stages of dissociation to the class of strong acids. G. M. Kozlov

ASD-62A METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED	SERIALIZED	INDEXED	FILED	DATE	BY

ZOTOV, I.; KOMAROV, V.

Posters are a form of concrete propaganda of leading work methods.
Sots. trud. no. 8:122-126 Ag '58. (MIRA 11:9)

1. Sekretar' partkoma metallozavoda Moskovskogo oblastnogo sovnarkhoza (for Zotov). 2. Nachal'nik otdela truda i saraботnoy platy metallozavoda Moskovskogo oblastnogo sovnarkhona (for Komarov).
(Moscow Province--Metal industries) (Posters)

KATZERMAN, M.M., mayor meditsinskoy sluzhby; ZAVRAZHIN, M.K., podpolkovnik meditsinskoy sluzhby; KNYAZEV, S.V., podpolkovnik meditsinskoy sluzhby; KOBYAKOV, N.I., podpolkovnik meditsinskoy sluzhby; DOKUCHAYEV, G.M., podpolkovnik meditsinskoy sluzhby; PLETNEV, N.N., polkovnik meditsinskoy sluzhby; KHOROSHCHIEV, V.D., podpolkovnik meditsinskoy sluzhby; GORBACHIK, Ye.D., podpolkovnik meditsinskoy sluzhby; DRUKER, Yu.S.; NAZAROV, K.M.; KCMGOROV, P.R., polkovnik meditsinskoy sluzhby; KLIMENKO, A.V., podpolkovnik meditsinskoy sluzhby; RYAKHOVSKIY, I.Ye., podpolkovnik meditsinskoy sluzhby; IVAN'KOVICH, F.A.; GUBIN, S.V.; kapitan meditsinskoy sluzhby; ZOTOV, I.G., kapitan meditsinskoy sluzhby; LEONOVA, Ye.I.; BUNTOVSKIY, P.A., mayor meditsinskoy sluzhby; GERASIMOV, A.N., podpolkovnik meditsinskoy sluzhby; GUR'YEV, I.A., kapitan meditsinskoy sluzhby; KOLDOBSKIY, S.Z., mayor meditsinskoy sluzhby

Abstracts. Voen. med. zhur. no.10:74-79 0 '65.

(MIRA 18:11)

ZOTOV, I.I., inzh.

Efficient organization of equipment repair is the most important
source for labor saving in the machinery industry. Vest. mashinost.
45 no.5:76-77 My '65. (MIRA 18:6)

ZOTOV, I.M., inzh.

Long-distance dialing attachment to high-frequency apparatus.
Avtom., telem. i svlaz. 9 no.1:41 Ja '65. (MIRA 18:2)

1. Lyublinskaya distantsiya Moskovskoy dorogi.

ZOTOV, I.M., inzh.

Restoration of the brake beams of 40-U car decelerators.
Avtom., telem. i sviaz' 8 no.5:41 My '64.

(MIRA 17:10)

1. Lyublinskaya distantziya Moskovskoy dorogi.

ZOTOV, I.M., inzh.

Use of SFD-59 apparatus for operation in high frequency channels.
Avtom., telem. i sviaz' 6 no.3:36-37 Mr '62. (MIRA 15:3)
(Railroads--Signaling) (Railroads--Electronic equipment)

ZOTOV, I.M., inzh.

Spring-type catch in the SP-1 electric drive. Avtom., telem.
i sviaz' 8 no.6:38 Je '64. (MIRA 17:6)

1. Lyublinskaya distantsiya Moskovskoy dorogi.

ZOTOV, I.M., inzh.

Punched cards for use in testing imported electron tubes.
Avtom. telem. i sviaz' 8 no.2:40-41 F '64. (MIRA 17:6)

ZOTOV, I.M., inzh.

As suggested by specialist F.I. Letunovskii. Avtom., telem.
i sviaz' 8 no.4:35 Ap '64. (MIRA 18:2)

1. Lyublinskaya distantsiya signalizatsii i svyazi Moskovskoy
dorogi.

ARKHIPOV, F.F.; ZOTOV, I.M., elektromekhanik

Separation in the power supply arrangement on SPD-5 stands. Avtom.,
telem.i sviaz' 4 no.4:24 Ap '60. (HIRA 13:6)

1. Nachal'nik Leningrad-Baltiyskoy distantsii signalizatsii i svyazi
Oktyabr'skoy doregi.
(Railroads--Electric equipment)

ZOTOV, I.M., inzh.

Device for using a high-frequency channel as an outgoing trunk of an automatic exchange. Avtom., telem. i svyaz' 9 no.3:39 Mr '65. (MIRA 18:11)

1. Lyublinskaya distantsiya Moskovskoy dorogi.

ZOTOV, Ivan Merkulovich; MARENKOVA, G.I., inzh., red.; BOBROVA, Ye.N.,
tekh.n.red.

[Handbook on cables for electricians and service men] Rukovodstvo
elektromekhaniku i monteru po kabel'nym robotam. Moskva, Gos.
transp.zhel-dor.isd-vo, 1959. 206 p. (MIRA 13:2)
(Electric cables)

ZOTOV, I.M.

ZOTOV, I.M., inzh.

Railroad communication on high frequency channels. Avtom., telem. i sviaz'
no.12:33-34 D '57. (MIRA 10:12)

(Railroads--Communication systems)

AYZENBERG, B.I., inzh.; KLEYMENOV, B.M., inzh.; MAMONTOV, S.K., inzh.;
MEYL'MAN, B.M., inzh.; MINDLIN, Ya.S., inzh.; PALANT, A.M., inzh.;
YAMPOL'SKIY, Ye.S., inzh.; ZOTOV, I.S., inzh., retsenzent;
YAKOVLEVA, V.I., red.izd-va; CHERNOVA, Z.I., tekhn.red.

[Design of machinery plants; manual on the organization and methods
of designing] Proektirovanie mashinostroitel'nykh zavodov; spra-
vochnoe posobie po organizatsii i metodike proektirovaniia. Moskva,
Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 379 p.

(MIRA 13:7)

(Machinery industry)

ZOTOV, I.S.; GOVSIYEVICH, R.Ye.; KUTSIN, B.M.; FRANTSUZ, R.A.;
ORLOV, N.A., prof., retsenzent; YAMPOL'SKIY, Ye.S.,
inzh., red.

[Economic analysis of projects of machine manufacturing
plants] Ekonomicheskoe obnovenie proektov mashino-
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1964. 398 p. (MIRA 17:6)

ZOTOV, I.V.; KUTSENKO, A.V.

Measuring the function of pulse correlation in two counting channels. Prib. i tekhn. eksp. no.1:38-42 J1-Ag '56. (MLRA 10:2)

1. Fizicheskiy institut imeni P.N. Lebedeva Akademii nauk SSSR.
(Nuclear counters) (Pulse techniques (Electronics))

ZOTOV, Ivan Georgiyevich; PLEKHANOV, I.P., red.; GRIGOR'YEVA, A.I.,
red.; BLAZHENKOVA, G.I., tekhn. red.

[Preparing motorcycles for competitions] Podgotovka moto-
tsiklov k sorevnovaniyam. Moskva, Izd-vo DOSAAF, 1963. 119 p.
(MIIL 16:12)

(Motorcycles--Maintenance and repair)

ZOTOV, K.G.; KIRILOV, M.M.

[The organization and operation of the signal central control
and block system of a railroad and of its communications] Moskva,
Transzheldorizdat, 1954. 300 p. (MLBA 8:2D)

L 21187-56
ACC NKT AP6009823

WT(m)/WT(t) IIP(m) ID/ID
SOURCE CODE: UR/0413/66/010/004/0016/0016

INVENTOR: Klimov, A. G.; Zotov, N. G.; Gaydenko, A. A.; Argunova, V. I.

28
B

ORG: none

TITLE: Preparati²⁷ of hydrofluoric acid. Class 12, No. 178796

SOURCE: Izobreteniya, promyshlennyye obrabotki, tovarnyye znaki, no. 4, 1966, 16

TOPIC TAGS: chemical decomposition, fluorite, hydrofluoric acid, acid decomposition

ABSTRACT: This Author Certificate introduces a method of preparation of hydrofluoric acid by decomposition of fluorite. An increased recovery is achieved by decomposing fluorite concentrate with orthophosphoric acid at 250C. [JK]

SUB CODE: 07/ SUBM DATE: 24Mar65/ ATD PRESS: 4222

Card 1/1 BK

UDC: 546.161.07

SHUFMAN, L.I.; ZOTOV, B.K.

New method for the wiring of the secondary commutation wires on panels.
Prom.energ. 16 no.5:40-42 My '61. (MIRA 14:7)
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ZOTOV, Boris Sergeevich; LETNEV, B.Ya., red.

[Thermal-power plants] Teplosilovye ustanovki. Mo--
skva, Kolos. Pt.2. 1964. 351 p. (MIRA 17:12)

ZOTOV, Boris Sergeyevich; IL'IN, Nikolay Mikhaylovich; SHUTYY, L.P.,
redaktor; KOGAN, F.L., tekhnicheskij redaktor

[Electric equipment of automobiles and tractors] Elektrooborudovanie
avtomobilei i traktorov. Moskva, Nauchno-tekhn. izd-vo avtotransp.
lit-ry, 1956. 254 p. (MLRA 9:10)

(Automobiles--Electric equipment)
(Tractors--Electric equipment)

ZOTOV, A.P., polkovnik med.sluzhby; SHUMOVA, S.V., polkovnik med.sluzhby

Analysis of injuries and preventive measures; hospital data. Voenn.-
med.zhur. no.9:7-10 S '58. (MIRA 12:12)

(ACCIDENTS, prev. & control
in armed forces personnel (Rus))
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accid., prev. (Rus))

GOYKOLOV, Ye.F.; KANTOROVICH, I.G., inzh.; PETROV, P.V.; RAYTSSESS, A.Ya.;
CHERNOV, A.V., inzh.; SHASHKOV, V.F.; SHISHKOV, I.A.; SHMIDT,
Kh.M.; KEYMAKH, L.I., retsenzent; KUDRYAVTSEV, A.V., retsenzent;
V redaktirovani primimali uchastiye: ZOTOV, A.V.; TELYANER,
D.M.. SHIRKOVA, G.M., red.izd-va; STEPANOVA, E.S., tekhn.red.;
RUDAKOVA, N.I., tekhn.red.

[Handbook for builders of reinforced concrete industrial chimneys
and silos] Spravochnik stroitelia zhelezobetonnykh zavodskikh
trub i silosov. Pod red. A.V.Chernova. Moskva, Gos.izd-vo lit-ry
po stroit., arkhitekt. i stroit.materialam, 1959. 300 p.
(MIRA 13:1)

(Silos) (Chimneys)

SHAFIRO, G.A.; ZOTOV, B.K.

Are horizontal partitions between power cables in cable tunnels
necessary? Prom.energ. 15 no.4:32 Ap '60.
(MIRA 13:6)

1. Elektromontazh -54.
(Electric lines--Underground)

SULKOVSKIY, V.P., insh.; ZOTOV, B.K., insh.

Safety of equipment-installing personnel working in operating
electrical systems. Prom.energ. 20 no.12:25 D '68.
(MIRA 18:12)

ZOTOV, BORIS SERGEYEVICH

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ELEKTROBORUDOVANIYE AVTOMOBILEY I TRAKTOROV (ELECTRICAL EQUIPMENT
OF AUTOMOBILES AND TRACTORS, BY) B. S. ZOTOV I N. M. IL'IN. MOSKVA,
AVTOTRANSIZDAT, 1956.

254 p. DIAGRS., TABLES.

SOV/124-58-5-5900

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p 137 (USSR)

AUTHORS: Vol'vich, S.I., Zotov, B.Ye.

TITLE: On a New Method for the Calculation of Continuous Beams (K raschetu nerazreznykh balok po novomu metodu)

PERIODICAL: Sb. nauchn. soobshch. Saratovsk. avtomob.-dor. in-ta, 1957, Nr 7, pp 53-56

ABSTRACT: By using the known formulas the values of the load terms and the abscissae of the center of gravity of the load curve necessary for the design calculation of continuous girders are worked out for particular cases of moment-of-inertia variation and for the simplest cases of beam loading.

N.K. Snitko

1. Beams--Mathematical analysis
2. Girders--Mathematical analysis

Card 1/1

ZOTOV, B. Ye

Zotov, B. Ye

"Free Oscillations of Linearly Compressed Girders." Min Higher Education USSR. Saratov Automobile and Road Inst imeni V. M. Molotov. Saratov, 1955. (Dissertation for the Degree of Candidate in Technical Sciences.)

SO: Knizhnaya Letopis', No. 27, 2 July 1955

SOV/124-58-7-8102

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 7, p 113 (USSR)

AUTHOR: Zotov, B. Ye.

TITLE: The Calculation of Continuous Beams According to a Statically
Determinate Hypothesis (The Method of Professor S. I. Vol'vich)
[Raschet nerazreznykh balok po staticheski opredelimoy skheme
(Metod professora S. I. Vol'vicha)]

PERIODICAL: Sb. tekhn. inform. Saratovgiprogorsel'stroy, 1957, iyun', pp 8-13

ABSTRACT: The calculation of nonuniform continuous beams is accomplished with the use of "temporary fixed points", i. e., of the projections onto the beam axis of the centers of gravity of the reduced moment distribution curves resulting from the action of the support moments due to a unit load. At these points ordinates are plotted which are inversely proportional to the magnitudes of the reduced areas; the location of all the permanent fixed points is then determined graphically. For the rest, the beam is calculated in the usual way, i. e., with the aid of a basic system in the form of a multispans cantilever-suspension-type system.

Card 1/1

N. K. Snitko

1. Beams--Mechanical properties 2. Mathematics--Applications

ZOTOV, D.

Make profitableness your goal! Mor. flot. 25 no. 12:
10-12 D '65. (MIRA 18:12)

1. Zamestitel' ministra Morskogo flota SSSR.

ZOTOV, D.

Buoy mooring. Mor.flot 17 no.1:23 Ja '57.
(Anchorage)

(MLRA 10:3)

27
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%CTOV, D., inzhener-sudovoditel'

Method of riding out a storm at sea by the structural characteristics
of the vessel. Mor.flot 15 no.9:11 S'55. (MIRA 8:11)

1. Kapitan teplokhoda "Arkhangel'sk"
(Navigation) (Ships)

ZAYDLER, M., inshener; ZOFOV, F.

Stock scaffoldings for large block building. Stroitel' 2 no.8:15
Ag '56. (MIRA 9:12)

(Scaffolding)

ZOTOV, D.

Improve the level of fleet operations. Mor. flot 22
no.9:1-3 S '62. (MIRA 15:12)

1. Zamestitel' ministra morskogo Flota SSSR.
(Merchant marine)

28700 11/11
SAAKYAN, A.; KURBANOV, L.; ZOTOV, D.A., red.; VOLYANSKAYA, O.A., tekhn.red.

[Brief outline of the economic development of the Turkmen S.S.R.]
Kratkii ocherk ekonomicheskogo razvitiia Turkmenskoi SSR. Ashkhabad,
Turkmenskoe gos.izd-vo, 1957. 193 p. (MIRA 11:3)
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**BERDYKLYCHEV, Murad Gapsyevich; DOBROVOL'SKIY, Yu.A., prof., red.; ZOTOV,
D.A., red.; VOLYANSKAYA, O.A., tekhn.red.**

[Public health in the Turkmen S.S.R.] Zdravookhranenie Turkmenskoi
SSR. Pri uchastii i pod red. IU.A.Dobrovol'skogo. Ashkhabad,
Turkmenskoe gos. izd-vo, 1957. 247 p. (MIRA 11:3)

1. Chlen-korrespondent Akademii nauk TSSR (for Berdyklychev)
(TURKMENISTAN--PUBLIC HEALTH)

VISHNEPOL'SKIY, S.A., kand. ekon. nauk; DAIYEV, S.M., imzh. putay scob-
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TURETSKIY, L.S.; SMIRNOV, G.S.; SHAPIROVSKIY, D.B.; OBERMEYSTER,
A.M.; SINITSIN, M.T.; KOGAN, N.D.; PETRUCHIK, V.A.; GRUNIN, A.G.;
KOLESNIKOV, V.G.; MARTINOSOV, A.Ye.; KROTKIY, I.B. [deceased];
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ekon. nauk; MITROFANOV, V.F., kand. ekon. nauk; CHILIKIN, Ya.A.;
BAKAYEV, V.G., doktor tekhn. nauk, red. Prinsipali uchastiye:
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RYABCHIKOV, P.A., red.; YAVLENSKIY, S.D., red.; BAYRASHEVSKIY,
A.M., kand. tekhn. nauk, red.; POLYUSHKIN, V.A., red.; BALANDIN,
G.I., red.; ZOTOV, D.K., red.; RYZHOV, V.Ye., red.; HOL'SHAKOV, A.N.,
red.; VUL'FSON, M.S., kand. ekon. nauk, red.; IMITRIYEV, V.I., kand.
ekon. nauk, red.; ALEKSANDROV, L.A., red.; LAVRENOVA, H.B., tekhn.
red.

[Transportation in the U.S.S.R.; marine transportation] Transport
SSSR; morskoi transport. Moskva, Izd-vo "Morskoi transport,"
1961. 759 p. (MIRA 15:2)

(Merchant marine)

ZOTOV, D. M.

Operation of clarifiers developed by the All-Union Hydraulic and
Sanitary Engineering Research Institute. Vod. i san. tekhn. no.9:
35-36 S '61. (MIRA 14:11)

(Water--Purification)

AID P - 4244

Subject : USSR/Engineering
Card 1/1 Pub. 128 - 2/33
Authors : Vernik, A. B., Laureate of the Stalin Prize, Engineer,
and F. S. Zotov, Engineer
Title : Separate drive for leading wheels of bridge cranes
of great lifting capacity.
Periodical : Vest. mash., #1, p. 7-12, Ja 1956
Abstract : The construction of the undercarriage of large bridge
cranes is outlined and especially the construction of
separate drive installations for leading wheels is
presented. Diagrams, photos.
Institution : None
Submitted : No date

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VERNIK, A.B., laureat Stalinskoy premii, inzhener; ZOTOV, P.S.

Separate drives for the running wheels of large load capacity
bridge cranes. Vest.mash. 36 no.1:7-12 Ja '56. (MLRA (;3)
(Cranes, derrick, etc.)

ZOTOV, F.Ya.

Recollections about V.K.TSeraskii. Ist.-astr.issl.no.1:335-342
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ZOTOV, G., kand.ekonom.nauk

Structural changes in the organizational trade forms in capitalist
countries. Sov. torg. 36 no.9:50-54 S '63. (MIRA 16:10)

ZOTOV, G.

Answer to the periodical "Business week". Sov. torg. 33 no.12:42-43
D '59. (MIRA 13:2)
(United States--Installment contracts)

MEN'ZHINSKIY, Ye.; ZOTOV, G.

Bidding in international trade. Vnesh. terg. 28 no.9:28-33 '58,
(MIRA 11:10)
(Public contracts)

ZOTOV, G.; ADADUROV, Yu.; CHEPURNOY, I.

New ideas in fire tank designs. Pozh.delo 3 no.5:5-6 My '57.
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(Fire extinction--Water supply)

1. ZMIRNOV, V., ZOTOV, G., Engs.
2. USSR (600)
4. Lumber
7. Expand the production of glued parts. Za ekon mat. No. 1 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

BEREZIN, Vasilii Pavlovich; ZUTOV, Georgiy Aleksandrovich;
SHALAYEV, Stepan Alekseyevich; TERMOLIN, I.P., red.;
MYAKUSHKO, V.P., red.izd-va; KARLOVA, G.L., tekhn. red.

[Potentials for increasing labor productivity; from the
work practice of the Olenino Lumbering Camp] Rezervy rosta
proizvoditel'nosti truda; iz opyta raboty Oleninskogo les-
promkhoza. Moskva, Goslesbumizdat, 1963. 77 p.

(MIRA 16:12)

(Olenino (Kalinin Province))--Lumbering--Labor produktivity)

KOROTAYEV, Yu.P.; ZOTOV, G.A.

Calculations of technical operating conditions of gas wells by
the method of gradual changes of stationary states. Trudy
VNIIGAZ no.9:112-130 '60. (MIRA 16:7)
(Gas wells)

ZOTOV, G.A., Inzh.

Loader for loading fertilizers and chemicals into an airplane. Trakt. 1.
kol'hoz mash. no. 7:33-39 JI '64. (MIRA 18:7)

1. L'vovskaya mashinolspytatel'naya stantsiya.

ZOTOV, G.A.; BEREZIN, V.P.; SHALAYEV, S.A.; KESSEL', I.V.;
POLYANTSEV, V.A., red.

[Olenino Logging Camp] Oleninskii lesopromkhoz. Khimki,
TSentr. nauchno-issl. in-t mekhanizatsii i energetiki
lesnoi promyshl., 1962. 30 p. (MIRA 16#4)
(Olenino region--Lumbering)

ZOTOV, G.A.; TVERKOVKIN, S.M.

Using nonstationary hydrodynamic methods for investigating
gas wells in the Gazli field. Gaz. delo. no.2:3-10 '64.
(MIRA 17:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnogo
gaza.

BRANDT, Georgiy Georgiyevich [deceased]; MAZUR, Moisey Ven'yaminovich
[deceased]; TAMARKIN, Mark L'vovich; RAMM, A.I., red.; ZOPOV, G.A.,
red.; PEYCH, N.N., red.; RANTSEV, A.A., red.; MOROZOVA, A.N.,
red.izd-va; KUZNETSOVA, A.I., tekhn.red.

[English-Russian timber dictionary] Anglo-russkii lesotekhnicheskii slovar'. Izd.1. Moskva, Goslesbumizdat, 1960. 414 p.
(MIRA 14:4)

(Lumbering--Dictionaries)
(English language--Dictionaries--Russian)

**KOROTAYEV, Yu. P., KORCHAZHKIN, M.T., ZOTOV, G.A., ZHAROV, N.V.,
MAKSIMOV, V.P., PETUKHOV, Ye. I., VOYTSITSSKIY, V.P.**

Mobile unit for the complete investigation of gas wells.
Gas.prom. 5 no.2:8-13 P 160. (MIRA 13:6)
(Gas wells)

KOBOTAYEV, Y.P.; FVERKOVKIN, S.M.; ZOTOV, G.A.

Testing gas wells without gas losses. Gaz.prom. 5
no.7:1-5 '60. (MIRA 13:7)
(Gas wells)

11(2) PAGES I BOOK REPRODUCTION 501/2253

Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnogo gaza

Nauchnaya i eksperimental'naya laboratoriya razvitiya i ispol'zovaniya gazov (Development and Application of Gas Fields, Transportation of Gas) Moscow, Oostroyshchinskaya, 1999, 353 p. (Series: Izv. Vsesoyuznogo nauchno-issledovatel'skogo instituta prirodnogo gaza, 1999, 1, 500 copies printed.)

Sponsoring Agency: Otkrytye upravleniye gazovoy promyshlennosti pri Sovete Ministrov SSSR.

Ms. i. Ye. M. Minkhly and V.S. Babai; Exec. Ed.: M.P. Maryamov; Trans. Ed.: A.S. Polozhin.

PURPOSE: This collection of articles is intended for scientists, engineers, and technicians associated with the gas industry.

COVERAGE: The articles discuss the development of gas fields, natural gas recovery, gas transportation, and subsurface gas conservation. Gas field operating conditions are analyzed from the commercial point of view. The author notes that due to the specific geological conditions prevailing in the Soviet Union the application of gas extraction methods of the type used in the West is not always advantageous. Individual articles discuss the problems of the development of gas fields with vertical gas filtration systems and the study of gas condensate. A number of articles are devoted to the study of unestablished gas flow in pipelines, and discuss theoretical problems connected with the performance of gas ejectors and compressors. The authors also deal with corrosion of the inner surface of gas pipelines. Conclusions made by the authors are supported by mathematical calculations. In parentheses are mentioned references accompany each article.

Rodionov, I.Ye., and P.G. Nizhnik. On the Automated Determination of Gas Flow in Pipelines	201
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348 (25)

GONIK, A.A.; ZOTOV, G.A.; ROKHLENKO, D.B.; GATSKOVICH, V.A., red.

[Profitable types of rafts] Rentabel'nye tipy plotov. [Moskva]
M-vo lesnoi promyshl. SSSR [1957] 12 p. (MIRA 11:11)
(Lumber--Transportation)

ZOTOV, G.A.; ROKHLENKO, D.B.

[Kresttsy logging camp of the Central Scientific Research Institute
for Mechanization and Power Engineering in Lumbering] Krestetskii
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(MIRA 11:11)

(Kresttsy--Lumbering)

ZOTOV, G.A.

Calculating the flow resistances of a well imperfect with respect
to the degree of drilling in case of nonlinear flow. Trudy VNIIGAZ
no.18/26:64-70 '63. (MIRA 18:3)

KOROTAYEV, Yu.P.; ZOTOV, G.A.

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MINSKIY, Ye.M.; KOROTAYEV, Yu.P.; ZOTOV, G.A.

Approximate solution of a problem concerning the steady-state flow
of real gases. Trudy VNIIGAZ no.18/26:105-113 '63.

(MIRA 18:3)

KOROTAYEV, Yu.P.; ZOTOV, G.A.; ABRAMOVA, Ye.S.

Practical method and examples of the analysis of the pressure
build-up curves in gas wells. Trudy VNIICAZ no.18/26:142-163
'63. (MIRA 18:3)

ZOTOV, G.A.; KOROTAYEV, Yu.P.; POCHUYEVA, Ye.A.

Determining the position of the zones of lithological and tectonic
screening from the pressure build-up curves in gas wells. Trudy
VNIIGAZ no.18/26:173-182 '63. (MIRA 18:3)

ZOTOV, G.A.

The RES-2 electric brush-cutting machine. Biol. tekhn.-ekon. inform.
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(Lumbering--Machinery)

MINSKIY, Ye.M.; KOROTAYEV, Yu.P.; ZOTOV, G.A.

Determining the parameters of a layer from curves of the in-
creasing pressure in gas wells. Gaz.prom. 4 no.5:4-7 My '59.
(MIRA 12:7)

(Gas wells)

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PORTNOV, I.G.; ZOTOV, G.A.

Consecutive performance of gas ejectors at steady above critical
point rates. Trudy VNIIGAZ no.5:267-284 '59. (MIRA 12:9)
(Gas flow)

ZOTOV, G.A., ROKHLENKO, D.B.; RANTSEV, A.A., red.

[Krestets logging camp of the Central Scientific Research Institute
for Mechanization and Power Engineering in the Forest Industry]
Krestetskii lespromkhoz TsNIIME. [N.p.] M-vo leanoi promyahl.
RSFSR, 1957. 20 p. (MIRA 11:11)
(Krestets--Lumbering)

Kresttsy District - Lumbering

Year of work of the Kresttsy Lumber Camp. Les. prom. 11 No. 7, 1951.

9. Monthly List of Russian Accessions, Library of Congress, December ¹⁹⁵² ~~1951~~, Uncl.

BEREZIN, V.P., inzhener; BOYOV, G.A., inzhener.

Experience of the most efficient lumber camps. Mekh. trud. rab. 7 no. 7:
5-10 J1 '53. (MLRA 6:7)
(lumber camps)

BARYSHNIKOV, A. I. : ZOTOV, G. A.

Lumbering - Kresttsy lumber camp.

Year of work in the Kresttsy lumber camp. Les. prom. 11 no. 7, 1951.

9. Monthly List of Russian Accessions, Library of Congress, December 1952-~~1953~~ 1955. Unclassified.

ACC NR: AP6001000

(N)

SOURCE CODE: UR/02/16/65/000/022/00165/00166

AUTHOR: Zotov, G. A.

18
13

ORG: none

TITLE: Device for indicating the pendulum phase of a gravimetric pendulum instrument.
Class n2, No. 176435

12,44.55

SOURCE: Byulleten' izobretaniy i tovarnykh znakov, no. 22, 1965, 66

TOPIC TAGS: gravimeter, pendulum

ABSTRACT: This Author Certificate presents a device for indicating the pendulum phase of a gravimetric pendulum instrument by utilizing photocells. To increase the accuracy of measurement by the pendulum instrument, diffraction gratings are rigidly mounted in the instrument at the lower ends of the pendulums, parallel to their plane of oscillation.

SUB CODE: 08/

SUBM DATE: 18Nov62

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WTC: 550.811

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510003-9
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510003-9"

MELAMED, G.I.; TSVETKOV, V.D.; AYZMAN, D.S.; ZOTOV, G.I., inzh.,
retsenzent; LIVSHITS, Sh.Ya., inzh., red.

[Machine-tool units] Agregatnye stanki. Moskva, Izd-vo
"Mashinostroenie," 1964. 422 p. (MIRA 17:6)

EYLENTUKH, A.M., inzh.; ZOTOV, G.M., inzh.

Choice of the parameters of an electric network for connecting
electric motors. Vest. svyazi 22 no.12:15 D '62. (MIRA 16:1)
(Electric driving)

POLYANIN, D.V.; ZOTOV, G.M.; GRYAZNOV, E.A.; MENZHINSKIY, Ye.A.; RUBININ, A.Ye.; CHEBOTAREVA, Ye.D.; ZAKHMATOV, M.I.; OKUNEVA, L.P.; SHMELEV, V.V.; STULOV, A.A.; POKHOVSKIY, A.N.; SHIL'OKRUT, V.A.; IVANOV, A.S.; NABOROV, V.B.; FINGENOV, V.P.; KUR'TEROV, V.G.; KHRAMTSOV, B.A.; BATYGIN, K.S.; BOGDANOV, O.S.; KROTOV, O.K.; GONCHAROV, A.N.; KRESTOV, B.D.; LYURSKIY, M.S.; SOKOL'NIKOV, G.O.; KAMENSKIY, N.N.; YASHCHENKO, G.I.; SADEL'NIKOV, L.V.; GERCHIKOVA, I.N.; FEDOROV, B.A.; STEPANOV, G.P.; BORODAYEVSKIY, A.D.; INGATUSHCHENKO, S.K.; VARTUMYAN, E.L.; KAPELINSKIY, Yu.N., red.; MAYOROV, B.V., red.; NABOROV, V.B., red.; SOLODKIN, R.G., red.; DROZDOV, A.G., red.; ROSHQHINA, L., red.; SOLOV'YEVA, G., mladshiy red.; CHEPELEVA, O., tekhn. red.

[The economy of capitalist countries in 1961; economically developed countries] Ekonomika kapitalisticheskikh stran v 1961 godu; ekonomicheski razvitye strany. Pod red. Iu.N.Kapelinskogo. Moskva, Sotsekgiz, 1962. 447 p. (MIRA 16:2)
(Economic history)

ZOTOV, German Mikhaylovich; BORISOVA, K., red.; DARONYAN, M., mlad-
shiy red.; NOGINA, N., tekhn. red.

[Retail trade in the United States] Roznichnaya torgovlia v
SShA. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1961. 164 p.
(MIRA 15:2)

(United States--Retail trade)

ZOTOV, G.M., inzh.

Automatic stop mechanisms for high-speed knitting machinery.
Tekst.prom. 21 no.3:60-62 Mr '61. (MTRA 14:3)
(Knitting machines)

KAPELINSKIY, Yu.N.; POLYANIN, D.V.; ZOPOV, G.M.; IVANOV, I.D.; SERGEYEV, Yu.A.; MENZHINSKIY, Ye.A.; KOSTYUKHIN, D.I.; DUDUKIN, A.N.; IVANOV, A.S.; FINOGENOV, V.P.; ZAKHMATOV, M.I.; SOLODKIN, R.G.; DUSHEN'KIN, V.N.; BOGDANOV, O.S.; SEROVA, L.V.; GONCHAROV, A.N.; LYUBSKIY, M.S.; PUCHIK, Ye.P. [deceased]; KAMENSKIY, N.N.; SABEL'NIKOV, L.V.; GERCHIKOVA, I.N.; FEDOROV, B.A.; KARAVAYEV, A.P.; KARPOV, L.N.; VARTUMYAN, E.L.; SHIPOV, Yu.P.; ROGOV, V.V.; BOGDANOV, I.I.; VLADIMIRSKIY, L.A.; LEBEDEV, B.I.; ANAN'YEV, P.G.; TRINICH, F.A.; GOLOVIN, Yu.M.; MATYUKHIN, I.S.; SEYFUL'MULYUKOV, A.M.; SHIL'DKROT, V.A.; ALEKSHYEV, A.F.; BORISENKO, A.P.; CHURAKOV, V.P.; SHASTITKO, V.M.; GERUS, V.G.; ORLOV, N.V., red.; KAPELINSKIY, Yu.N., red.; GORYUNOV, V.P., red. V redaktirovani primali uchastiye: BELOSHAPKIN, D.K., red.; GEORGIYEV, Ye.S., red.; KOSAREV, Ye.A., red.; PANKIN, M.S., red.; PICHUGIN, B.M., red.; SHKARENKOV, Yu.S., red.; MAKAROV, V., red.; BORISOVA, K., red.; CHEPELEVA, O., tekhn.red.

[The economy of capitalistic countries in 1958] Ekonomika kapitalisticheskikh stran v 1958 godu. Pod red. N.V.Orlova, I.U.N.Kapelinskogo, V.P.Goriunova. Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1959. 609 p. (MIRA 12:12)

1. Moscow. Nauchno-issledovatel'skiy kon'yunktorny institut.
(Economic conditions)

ZOTOV, G.N., aspirant

Adoption of a system of preferable figures for the unification of
industrially produced buildings in lumbering industry enterprises.
Sbor.trud. LIIZHT no.181:78-106 '62. (MIRA 16:9)

ZOTOV, G.N.

Applying preferred numbers in promoting module dimensions in
building. Standartizatsia 24 no.2:6-10 F '60. (MIRA 13:5)
(Modular coordination (Architecture))

137-58-6-11641

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 59 (USSR)

AUTHOR: Zotov, G.V.

TITLE: On the Question of Eliminating Continuous Washing of the Collector Electrodes of Blast-furnace Shop Gas Cleaning Electrical Precipitators (K voprosu ob otkaze ot postoyannoy promyvkhi osaditel'nykh elektrodov elektrofil'trov gazoochistok domennykh tsekhov)

PERIODICAL: Sb. statey. Gos. in-t tipovogo proyektir. i tekhn. issled., 1957, Vol 3, pp 38-55

ABSTRACT: The use of electrostatic precipitators (E) for the fine cleaning of blast furnace gas is a generally recognized procedure. Currently, the plants of the ferrous metals industry employ tubular E consisting of a system of tubes of 230-300 mm diameter, 3500-4500 mm long. The E are built for a gas capacity of 75-120,000 m³/hr, with 300 or more collector electrodes, and are designated, respectively, as types DM-300, DM-316, etc. In order to prevent the precipitation of blast-furnace flue dust on the surfaces of the electrodes, continuous washing is performed. This requires a markedly larger

Card 1/2

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On the Question of Eliminating (cont.)

amount of technically pure water than would otherwise be the case in the counterflow gas-cleaning cycle and large expenses for construction and operation. Thus, for example, the water consumption at a metallurgical plant with two or three blast furnaces of 1033 m³ capacity is 300-450 m³/hr. At the Kosaya Gora Metallurgical Plant, a test was run in the operation of DM-300 E with periodic washing of the precipitating electrodes once or twice per shift. It was established that the dust content of blast-furnace gas passing through E operating without continual washing was lower than with continual washing. This measure permits reduction of the water consumption of a gas-cleaning installation by 20% on the average.

B.S.

1. Blast furnaces--Equipment
2. Electrodes--Maintenance

Card 2/2

YAMPOL'SKIY, T.S.; ZOTOV, G.V.

[Catalog and handbook on cooling towers] Katalog-spravochnik po gradirniam. Moskva, 1962. 109 p. (MIRA 1966)

1. Moscow. Gosudarstvennyy institut tipovogo i eksperimental'nogo proyektirovaniya i tekhnicheskikh issledovaniy. 2. Mashal'nik otdela promyshlennykh vodoprovodnykh sooruzheniy Gosudarstvennogo instituta tipovogo i eksperimental'nogo proyektirovaniya i tekhnicheskikh issledovaniy (for Yampol'skiy). 3. Otdel promyshlennykh vodoprovodnykh sooruzheniy Gosudarstvennogo instituta tipovogo i eksperimental'nogo proyektirovaniya i tekhnicheskikh issledovaniy (for Zotov).

(Cooling towers)

APPROVED FOR RELEASE Thursday, September 26, 2002 CIA-RDP80-01538D0005510003-9
APPROVED FOR RELEASE Thursday, September 26, 2002 CIA-RDP80-01538D0005510003-9

Electrolytic determination of nickel without the use of platinum electrodes. L. I. Pavovskii and G. V. Zolov. *J. Applied Chem. (U. S. S. R.)* 10, 1700-5 (in French 1705) (1937).--Results comparable to those obtained with Pt electrodes can be obtained with a Ni cathode and Fe anode. Eleven references. A. A. Podgorny

AS 51.1 METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX

Physical chemical causes of irregularities in dyeing anti-

25

blue black. O. V. Zolny, *Kolloidchem. Zentr.* 10, No. 11-12, 51(1940); *Chem. Zentr.* 1941, II, 2361; cf. C. A. 26, 6654. —Nap-paddings contg. K are more stable than those contg. Na; they do not darken so readily during storage before printing with reserve colors. The darkening takes place (1) on heavy fabrics which are insufficiently dried or leave the drying chamber while too hot, (2) mostly in the summer (3) during transportation, (4) if the padding liquor is used after standing for 5-6 hrs. From a theoretical discussion of the vapor pressure of the acid salts in the padding liquor and their solvent powers Z. concludes that the formation of irregularities can be decreased greatly by the addition of KCl to the Na baths and by proper drying. Leopold Scheffner

118-11A METALLURGICAL LITERATURE CLASSIFICATION

RESEARCH TOPICS

SEARCHED	INDEXED	FILED	DATE	BY	CLASS.	EXT.	REMARKS

the theory of dyeing with aniline black. G. V. Zolotarev, *Khlopchekolozhnyye Prots.* 10, No. 1-2, 49-51 (1941); *Chem. Zvest.* 1940, 11, 2683. The most likely mechanism of aniline-black dyeing is that proposed by Laitfuth and Geyerd. The oxidized form of the catalyst, e. g., $\text{Fe}(\text{SO}_4)_2$, CuCl_2 or $\text{K}_3\text{Fe}(\text{CN})_6$, oxidizes with the aniline, and is itself reduced. This reduction product is oxidized by chlorate. The following processes are given for dyeing with aniline black. (1) Steam process with V salt: aniline-HCl 0.89, VOCl_3 0.00472, chlorate 0.37 mol. per l.; (1a) with $\text{K}_3\text{Fe}(\text{CN})_6$: aniline-HCl 0.60, $\text{K}_3\text{Fe}(\text{CN})_6$ 0.11, chlorate 0.28 mol. per l. (2) Oxidation process (textile mills) aniline-HCl 0.60, $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ 0.04, chlorate 0.15 mol. per l.; (2a) for furs: aniline-HCl 0.10, $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ 0.08, chlorate 0.09. The ratios of the components are $\text{C}_6\text{H}_5\text{NH}_2 \cdot \text{HCl}$: chlorate 1:0.0078; 1:0.01; 1:0.26; $\text{C}_6\text{H}_5\text{NH}_2 \cdot \text{HCl}$: catalyst 1:0.0008; 1:0.4; 1:0.07; 1:0.22; chlorate:catalyst 1:0.0008; 1:0.4; 1:0.26; 1:0.00. The effect of the $\text{K}_3\text{Fe}(\text{CN})_6$ is discussed. It acts as a catalyst and a neutralizer. It protects the textile from the acid formed by the hydrolysis of aniline-HCl. In the morning chamber it is transformed into $\text{K}_3\text{Fe}(\text{CN})_6$, and consequently the degree of acidity of the textile increases. Therefore, it becomes necessary to neutralize the acid with NH_3 , if the textile is not processed forthwith. M. Houth

ASS-31A METALLURGICAL LITERATURE CLASSIFICATION

GROUP	CLASS	SUBCLASS	SECTION	ITEM
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96	97	98	99	100

BC

Electrolytic dissociation of complex cyanides of iron. H. V. Nekrasov and G. V. Zolov, *J. Appl. Chem. Russ.*, 1941, 14, 261-269. —The dissociation consts. of the first and second H atoms of $H_4[Fe(CN)_6]$ and of all three H of $H_3[Fe(CN)_6]$ are of the same order of magnitude as is that of HCl. Those of the third and fourth H of $H_4[Fe(CN)_6]$ are, respectively, 10^{-6} and 5×10^{-6} . R. T.

BC

B-II-6

Turbulent dyeing of wool at temperatures below 100°. Ch. V. Berry (J. Appl. Chem. Res., 1936, 9, 1014-1015).--The turbulent dyeing (cf. Rowell and Thomas, B., 1936, (28)) gives better results than the ordinary process if applied to wool (cf. the dyeing of wool fibers and rubber fibre proceeds in the same way whether with or without air-bubbling). The turbulence promotes the diffusion and gives no other effect.
J. J. B.

Common Elements

OPEN

ASB-31A METALLURGICAL LITERATURE CLASSIFICATION

FROM 177-0010

EX 177-0010

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PROCESSOR AND PROPRIETARY NAME

BC

A-1

Electrolytic determination of nickel without the use of platinum electrodes. L. I. FAVENHILL and G. V. ZOMBY. (*J. Appl. Chem. Russ.*, 1937, 10, 1700-1705).—Ni can be determined by the Frosandis-Bergmann method, using a Ni cathode and a passivated Fe anode. R. T.

COMMON ELEMENTS
OPEN
MATERIALS INDEX

ASTM-SLA METALLURGICAL LITERATURE CLASSIFICATION

SECTION #	SECTION MAP ONLY GET	RELATIONS	SECTION MAP ONLY GET
SA	SB	SC	SD
SE	SF	SG	SH
SI	SJ	SK	SL
SM	SN	SO	SP
SQ	SR	SS	ST
SU	SV	SW	SX
SY	SZ	TA	TB
TC	TD	TE	TF
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TK	TL	TM	TN
TO	TP	TQ	TR
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UC	UD	UE	UF
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UK	UL	UM	UN
UO	UP	UQ	UR
US	UT	UU	UV
UV	UW	UX	UY
UY	UZ	VA	VB
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VG	VH	VI	VJ
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VO	VP	VQ	VR
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WC	WD	WE	WF
WG	WH	WI	WJ
WK	WL	WM	WN
WO	WP	WQ	WR
WS	WT	WU	WV
WV	WT	XA	XB
XC	XD	XE	XF
XG	XH	XI	XJ
XK	XL	XM	XN
XO	XP	XQ	XR
XS	XT	XU	XV
XV	XT	YA	YB
YC	YD	YE	YF
YG	YH	YI	YJ
YK	YL	YM	YN
YO	YP	YQ	YR
YS	YT	YU	YV
YV	YT	ZA	ZB
ZC	ZD	ZE	ZF
ZG	ZH	ZI	ZJ
ZK	ZL	ZM	ZN
ZO	ZP	ZQ	ZR
ZS	ZT	ZU	ZV
ZV	ZT		

117 AND 740 GROUPS PROCESSES AND PREPARATION

777

*Electrolytic Determination of Nickel Without Platinum Electrodes. I. I. Favor'skiy and G. V. Zolov (*Zhur. Priklad. Khimii (J. Applied Chem.)*, 1937, 10, (9), 1700-1703). [In Russian.] The Fremy-Bergmann determination of Ni can be carried out with a Ni cathode and an anode of passive iron instead of Pt. The conditions recommended are: 150 c.c. of the solution containing 50 c.c. of ammonia solution and 5 gm. of crystallized ammonium sulphate; 2.4 v.; 0-13 amp. dm.²; 13-15 hrs. - N. A.

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

GROUP	SECTION	SUBSECTION	CLASSIFICATION	INDEX
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100

Ca

Electrolytic determination of the complex oxides of iron. H. V. Nekrasov and G. V. Lelov. *J. Applied Chem. (U. S. S. R.)* 16, 288 (1944). In order to clarify MeOAc and MeOH, from 0% to 10% MeOAc, MeOAc and MeCO, from 0% MeOAc to 80%, and MeOH and MeCO, from 0% to 100% MeOH, as well as ternary mixts. MeOH:MeCO, 1:1, with MeOAc ranging from 10% to 80%, and MeOH:MeCO, 2:7, with MeOAc ranging from 10% to 80%. The plotted results make it possible to utilize the data for analytical work. In general the component curves give a straight line, except for analysis of mixts. of MeCO. Equations were derived for analysis of mixts. of the above substances. The amt. of MeOAc in mixt. with MeOH is given by $x_1 = (d_1 - 0.7912)/0.00131$, and in mixt. with MeCO by $x_2 = (d_2 - 0.7910)/0.00131$. The first equation gives percentage of MeOAc in limits of 94.4-99.9%, and the latter in limits of 80.5-102.2%. Amt. of MeCO in mixt. with MeOH is given by: $x_3 = (e_1 - 1.329)/0.000916$, in limits of 101.4-112.5%. The component curves are given in terms of percentage of the component actually present in the mixt. O. M. Kuznetsov

ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION

SEARCH SYMBOLS	ISSUES	DATE	CLASSIFICATION	INDEXING

ca

Electrolytic Dissociation of the Cyanides of Iron
H. V. Nekrasov and G. V. Kozlov. *J. Applied Chem. (U. S. S. R.)* 16, 414-4 (1943).—In order to clarify the effect of ferrocyanide and ferricyanide salts on the weakening of cloth in the course of formation of aniline black, the electrolytic dissociation of $H_2Fe(CN)_6$ and $H_3Fe(CN)_6$ was studied by potentiometric titration of the $K_4Fe(CN)_6$ salts with HCl , by use of a combination of glass electrode and calomel half-cell. The results indicate a considerable difference in behavior of the two substances. Although the dissociation of the first two is of $H_2Fe(CN)_6$ classes it with the fairly strong acids, the last two is also dissociated, considerably less. The method of titration data, by extrapolation, gave the dissociation constants $K_1 = 1 \times 10^{-4}$ and $K_2 = 5 \times 10^{-5}$. $H_3Fe(CN)_6$ shows considerably greater dissociation, so that even the last H is dissociated, comparably to that of HCl , and therefore this substance belongs in all stages of dissociation to the class of strong acids. G. M. Kozlov

ASD-52A METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED	SERIALIZED	INDEXED	FILED	DATE	BY

ZOTOV, I.; KOMAROV, V.

Posters are a form of concrete propaganda of leading work methods.
Sots. trud. no. 8:122-126 Ag '58. (MIRA 11:9)

1. Sekretar' partkoma metallozavoda Moskovskogo oblastnogo sovna-
rkhosa (for Zotov). 2. Nachal'nik otdela truda i saraботnoy platy
metallozavoda Moskovskogo oblastnogo sovna-rkhosa (for Komarov).
(Moscow Province--Metal industries) (Posters)

KATZERMAN, M.M., mayor meditsinskoy sluzhby; ZAVRAZHIN, M.K., podpolkovnik meditsinskoy sluzhby; KNYAZEV, S.V., podpolkovnik meditsinskoy sluzhby; KOBYAKOV, N.I., podpolkovnik meditsinskoy sluzhby; DOKUCHAYEV, G.M., podpolkovnik meditsinskoy sluzhby; PLETNEV, N.N., polkovnik meditsinskoy sluzhby; KHOROSHCHIEV, V.D., podpolkovnik meditsinskoy sluzhby; GORBACHIK, Ye.D., podpolkovnik meditsinskoy sluzhby; DRUKER, Yu.S.; NAZAROV, K.M.; KCMGOROV, P.R., polkovnik meditsinskoy sluzhby; KLIMENKO, A.V., podpolkovnik meditsinskoy sluzhby; RYAKHOVSKIY, I.Ye., podpolkovnik meditsinskoy sluzhby; IVAN'KOVICH, F.A.; GUBIN, S.V.; kapitan meditsinskoy sluzhby; ZOTOV, I.G., kapitan meditsinskoy sluzhby; LEONOVA, Ye.I.; BUNTOVSKIY, P.A., mayor meditsinskoy sluzhby; GERASIMOV, A.N., podpolkovnik meditsinskoy sluzhby; GUR'YEV, I.A., kapitan meditsinskoy sluzhby; KOLDOBSKIY, S.Z., mayor meditsinskoy sluzhby

Abstracts. Voen. med. zhur. no.10:74-79 0 '65.

(MIRA 18:11)

ZOTOV, I.I., inzh.

Efficient organization of equipment repair is the most important
source for labor saving in the machinery industry. Vest. mashinost.
45 no.5:76-77 My '65. (MIRA 18:6)

ZOTOV, I.M., inzh.

Long-distance dialing attachment to high-frequency apparatus.
Avtom., telem. i svlaz. 9 no.1:41 Ja '65. (MIRA 18:2)

1. Lyublinskaya distantsiya Moskovskoy dorogi.

ZOTOV, I.M., inzh.

Restoration of the brake beams of 40-U car decelerators.
Avtom., telem. i sviaz' 8 no.5:41 My '64.

(MIRA 17:10)

1. Lyublinskaya distantsiya Moskovskoy dorogi.

ZOTOV, I.M., inzh.

Use of SFD-59 apparatus for operation in high frequency channels.
Avtom., telem. i sviaz' 6 no.3:36-37 Mr '62. (MIRA 15:3)
(Railroads--Signaling) (Railroads--Electronic equipment)

ZOTOV, I.M., inzh.

Spring-type catch in the SP-1 electric drive. Avtom., telem.
i sviaz' 8 no.6:38 Je '64. (MIRA 17:6)

1. Lyublinskaya distantsiya Moskovskoy dorogi.

ZOTOV, I.M., inzh.

Punched cards for use in testing imported electron tubes.
Avtom. telem. i sviaz' 8 no.2:40-41 F '64. (MIRA 17:6)

ZOTOV, I.M., inzh.

As suggested by specialist F.I. Letunovskii. Avtom., telem.
i sviaz' 8 no.4:35 Ap '64. (MIRA 18:2)

1. Lyublinskaya distantsiya signalizatsii i svyazi Moskovskoy
dorogi.

ARKHIPOV, F.F.; ZOTOV, I.M., elektromekhanik

Separation in the power supply arrangement on SPD-5 stands. Avtom.,
telem. i svyaz' 4 no.4:24 Ap '60. (HIRA 13:6)

1. Nachal'nik Leningrad-Baltiyskoy distantsii signalizatsii i svyazi
Oktyabr'skoy doregi.
(Railroads--Electric equipment)

ZOTOV, I.M., inzh.

Device for using a high-frequency channel as an outgoing trunk of an automatic exchange. Avtom., telem. i svyaz' 9 no.3:39 Mr '65. (MIRA 18:11)

1. Lyublinskaya distantsiya Moskovskoy dorogi.

ZOTOV, Ivan Merkulovich; MARENKOVA, G.I., inzh., red.; BOBROVA, Ye.N.,
tekh.n.red.

[Handbook on cables for electricians and service men] Rukovodstvo
elektromekhaniku i monteru po kabel'nym robotam. Moskva, Gos.
transp.shel-dor.isd-vo, 1959. 206 p. (MIRA 13:2)
(Electric cables)

ZOTOV, I.M.

ZOTOV, I.M., inzh.

Railroad communication on high frequency channels. Avtom., telem. i sviaz'
no.12:33-34 D '57. (MIRA 10:12)
(Railroads--Communication systems)

AYZENBERG, B.I., inzh.; KLEYMENOV, B.M., inzh.; MAMONTOV, S.K., inzh.;
MEYL'MAN, B.M., inzh.; MINDLIN, Ya.S., inzh.; PALANT, A.M., inzh.;
YAMPOL'SKIY, Ye.S., inzh.; ZOTOV, I.S., inzh., retsenzent;
YAKOVLEVA, V.I., red.izd-va; CHERNOVA, Z.I., tekhn.red.

[Design of machinery plants; manual on the organization and methods
of designing] Proektirovanie mashinostroitel'nykh zavodov; spra-
vochnoe posobie po organizatsii i metodike proektirovaniia. Moskva,
Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 379 p.

(MIRA 13:7)

(Machinery industry)

ZOTOV, I.S.; GOVSIYEVICH, R.Ye.; KUTSIN, B.M.; FRANTSUZ, R.A.;
ORLOV, N.A., prof., retsenzent; YAMPOL'SKIY, Ye.S.,
inzh., red.

[Economic analysis of projects of machine manufacturing
plants] Ekonomicheskoe obnovenie proektov mashino-
stroitel'nykh zavodov. Moskva, Izd-vo "Mashinostroenie,"
1964. 398 p. (MIRA 17:6)

ZOTOV, I.V.; KUTSENKO, A.V.

Measuring the function of pulse correlation in two counting channels. Prib. i tekhn. eksp. no.1:38-42 J1-Ag '56. (MLRA 10:2)

1. Fizicheskiy institut imeni P.N. Lebedeva Akademii nauk SSSR.
(Nuclear counters) (Pulse techniques (Electronics))

ZOTOV, Ivan Georgiyevich; PLEKHANOV, I.P., red.; GRIGOR'YEVA, A.I.,
red.; BLAZHENKOVA, G.I., tekhn. red.

[Preparing motorcycles for competitions] Podgotovka moto-
tsiklov k sorevnovaniyam. Moskva, Izd-vo DOSAAF, 1963. 119 p.
(MIIL 16:12)

(Motorcycles--Maintenance and repair)

ZOTOV, K.G.; KIRILOV, M.M.

[The organization and operation of the signal central control
and block system of a railroad and of its communications] Moskva,
Transzheldorizdat, 1954. 300 p. (MLBA 8:2D)

L 21187-56
ACC NKT AP6009823

EWI(m)/EWP(t)/ IWP(m) ID/DM

SOURCE CODE: UR/0413/66/010/004/0016/0016

28
B

INVENTOR: Klimov, A. G.; Zotov, N. G.; Gaydenko, A. A.; Argunova, V. I.

ORG: none

TITLE: Preparati ²⁷ of hydrofluoric acid. Class 12, No. 178796

SOURCE: Izobreteniya, promyshlennyye obrabotki, tovarnyye znaki, no. 4, 1966, 16

TOPIC TAGS: chemical decomposition, fluorite, hydrofluoric acid, acid decomposition

ABSTRACT: This Author Certificate introduces a method of preparation of hydrofluoric acid by decomposition of fluorite. An increased recovery is achieved by decomposing fluorite concentrate with orthophosphoric acid at 250C. [JK]

SUB CODE: 07/ SUBM DATE: 24Mar65/ ATD PRESS: 4222

Card 1/1 BK

UDC: 546.161.07

SHUFMAN, L.I.; ZOTOV, B.K.

New method for the wiring of the secondary commutation wires on panels.
Prom.energ. 16 no.5:40-42 My '61. (MIRA 14:7)
(Electric apparatus and appliances)

ZOTOV, Boris Sergeyevich; LETNEV, B.Ya., red.

[Thermal-power plants] Teplosilovye ustanovki. Mo--
skva, Kolos. Pt.2. 1964. 351 p. (MIRA 17:12)

ZOTOV, Boris Sergeyevich; IL'IN, Nikolay Mikhaylovich; SHUTYY, L.P.,
redaktor; KOGAN, F.L., tekhnicheskiy redaktor

[Electric equipment of automobiles and tractors] Elektrooborudovanie
avtomobilei i traktorov. Moskva, Nauchno-tekhn. izd-vo avtotransp.
lit-ry, 1956. 254 p. (MLRA 9:10)

(Automobiles--Electric equipment)
(Tractors--Electric equipment)

ZOTOV, A.P., polkovnik med.sluzhby; SHUMOVA, S.V., polkovnik med.sluzhby

Analysis of injuries and preventive measures; hospital data. Voenn.-
med.zhur. no.9:7-10 S '58. (MIRA 12:12)

(ACCIDENTS, prev. & control
in armed forces personnel (Rus))
(ARMED FORCES PERSONNEL, dis.
accid., prev. (Rus))

GOYKOLOV, Ye.F.; KANTOROVICH, I.G., inzh.; PETROV, P.V.; RAYTSSESS, A.Ya.;
CHERNOV, A.V., inzh.; SHASHKOV, V.F.; SHISHKOV, I.A.; SHMIDT,
Kh.M.; KEYMAKH, L.I., retsenzent; KUDRYAVTSEV, A.V., retsenzent;
V redaktirovani primimali uchastiye: ZOTOV, A.V.; TELYANER,
D.M.. SHIRKOVA, G.M., red.izd-va; STEPANOVA, E.S., tekhn.red.;
RUDAKOVA, N.I., tekhn.red.

[Handbook for builders of reinforced concrete industrial chimneys
and silos] Spravochnik stroitelia zhelezobetonnykh zavodskikh
trub i silosov. Pod red. A.V.Chernova. Moskva, Gos.izd-vo lit-ry
po stroit., arkhitekt. i stroit.materialam, 1959. 300 p.
(MIRA 13:1)

(Silos)

(Chimneys)

SHAFIRO, G.A.; ZOTOV, B.K.

Are horizontal partitions between power cables in cable tunnels
necessary? Prom.energ. 15 no.4:32 Ap '60.
(MIRA 13:6)

1. Elektromontazh -54.
(Electric lines--Underground)

SULKOVSKIY, V.P., insh.; ZOTOV, B.K., insh.

Safety of equipment-installing personnel working in operating
electrical systems. Prom.energ. 20 no.12:25 D '68.
(MIRA 18:12)

ZOTOV, BORIS SERGEYEVICH

N/5
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.28

ELEKTROBORUDOVANIYE AVTOMOBILEY I TRAKTOROV (ELECTRICAL EQUIPMENT
OF AUTOMOBILES AND TRACTORS, BY) B. S. ZOTOV I N. M. IL'IN. MOSKVA,
AVTOTRANSIZDAT, 1956.

254 p. DIAGRS., TABLES.

SOV/124-58-5-5900

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p 137 (USSR)

AUTHORS: Vol'vich, S.I., Zotov, B.Ye.

TITLE: On a New Method for the Calculation of Continuous Beams (K raschetu nerazreznykh balok po novomu metodu)

PERIODICAL: Sb. nauchn. soobshch. Saratovsk. avtomob.-dor. in-ta, 1957, Nr 7, pp 53-56

ABSTRACT: By using the known formulas the values of the load terms and the abscissae of the center of gravity of the load curve necessary for the design calculation of continuous girders are worked out for particular cases of moment-of-inertia variation and for the simplest cases of beam loading.

N.K. Snitko

1. Beams--Mathematical analysis
2. Girders--Mathematical analysis

Card 1/1

ZOTOV, B. Ye

Zotov, B. Ye

"Free Oscillations of Linearly Compressed Girders." Min Higher Education USSR. Saratov Automobile and Road Inst imeni V. M. Molotov. Saratov, 1955. (Dissertation for the Degree of Candidate in Technical Sciences.)

SO: Knizhnaya Letopis', No. 27, 2 July 1955

SOV/124-58-7-8102

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 7, p 113 (USSR)

AUTHOR: Zotov, B. Ye.

TITLE: The Calculation of Continuous Beams According to a Statically Determinate Hypothesis (The Method of Professor S. I. Vol'vich)
[Raschet nerazreznykh balok po staticheski opredelimoy skheme (Metod professora S. I. Vol'vicha)]

PERIODICAL: Sb. tekhn. inform. Saratovgiprogorsel'stroy, 1957, iyun', pp 8-13

ABSTRACT: The calculation of nonuniform continuous beams is accomplished with the use of "temporary fixed points", i. e., of the projections onto the beam axis of the centers of gravity of the reduced moment distribution curves resulting from the action of the support moments due to a unit load. At these points ordinates are plotted which are inversely proportional to the magnitudes of the reduced areas; the location of all the permanent fixed points is then determined graphically. For the rest, the beam is calculated in the usual way, i. e., with the aid of a basic system in the form of a multispans cantilever-suspension-type system.

Card 1/1

N. K. Snitko

1. Beams--Mechanical properties 2. Mathematics--Applications

ZOTOV, D.

Make profitableness your goal! Mor. flot. 25 no. 12:
10-12 D '65. (MIRA 18:12)

1. Zamestitel' ministra Morskogo flota SSSR.

ZOTOV, D.

Buoy mooring. Mor.flot 17 no.1:23 Ja '57.
(Anchorage)

(MLRA 10:3)

27
Z
%CTOV, D., inzhener-sudovoditel'

Method of riding out a storm at sea by the structural characteristics
of the vessel. Mor.flot 15 no.9:11 S'55. (MIRA 8:11)

1. Kapitan teplokhoda "Arkhangel'sk"
(Navigation) (Ships)

ZAYDLER, M., inshener; ZOFOV, F.

Stock scaffoldings for large block building. Stroitel' 2 no.8:15
Ag '56. (MIRA 9:12)

(Scaffolding)

ZOTOV, D.

Improve the level of fleet operations. Mor. flot 22
no.9:1-3 S '62. (MIRA 15:12)

1. Zamestitel' ministra morskogo Flota SSSR.
(Merchant marine)

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28700 11/11
SAAKYAN, A.; KURBANOV, L.; ZOTOV, D.A., red.; VOLYANSKAYA, O.A., tekhn.red.

[Brief outline of the economic development of the Turkmen S.S.R.]
Kratkii ocherk ekonomicheskogo razvitiia Turkmenskoi SSR. Ashkhabad,
Turkmenskoe gos.izd-vo, 1957. 193 p. (MIRA 11:3)
(Turkmenistan--Economic conditions)

**BERDYKLYCHEV, Murad Gapsyevich; DOBROVOL'SKIY, Yu.A., prof., red.; ZOTOV,
D.A., red.; VOLYANSKAYA, O.A., tekhn.red.**

[Public health in the Turkmen S.S.R.] Zdravookhranenie Turkmenskoi
SSR. Pri uchastii i pod red. IU.A.Dobrovol'skogo. Ashkhabad,
Turkmenskoe gos. izd-vo, 1957. 247 p. (MIRA 11:3)

1. Chlen-korrespondent Akademii nauk TSSR (for Berdyklychev)
(TURKMENISTAN--PUBLIC HEALTH)

VISHNEPOL'SKIY, S.A., kand. ekon. nauk; BAYEV, S.M., imzh. putay scob-
shcheniya; BONDARENKO, V.S.; RODIN, Ye.D.; CHUVLEV, V.P.;
TURETSKIY, L.S.; SMIRNOV, G.S.; SHAPIROVSKIY, D.B.; OBERMEYSTER,
A.M.; SINITSIN, M.T.; KOGAN, N.D.; PETRUCHIK, V.A.; GRUNIN, A.G.;
KOLESNIKOV, V.G.; MARTINOSOV, A.Ye.; KROTKIY, I.B. [deceased];
ZENEVICH, G.B.; MEZENTSEV, G.A.; KOLAKOYTSSEV, V.P., kand. tekhn. nauk;
ZAMAKHOVSKAYA, A.G., kand. tekhn. nauk; MAKAL'SKIY, I.K., kand.
ekon. nauk; MITROFANOV, V.F., kand. ekon. nauk; CHILIKIN, Ya.A.;
BAKAYEV, V.G., doktor tekhn. nauk, red. Prinsipali uchastiye:
DZHAVAD, Yu.Kh., red.; GUBERMAN, R.L., kand. ekon. nauk, red.;
RYABCHIKOV, P.A., red.; YAVLENSKIY, S.D., red.; BAYRASHEVSKIY,
A.M., kand. tekhn. nauk, red.; POLYUSHKIN, V.A., red.; BALANDIN,
G.I., red.; ZOTOV, D.K., red.; RYZHOV, V.Ye., red.; HOL'SHAKOV, A.N.,
red.; VUL'FSON, M.S., kand. ekon. nauk, red.; IMITRIYEV, V.I., kand.
ekon. nauk, red.; ALEKSANDROV, L.A., red.; LAVRENOVA, H.B., tekhn.
red.

[Transportation in the U.S.S.R.; marine transportation] Transport
SSSR; morskoi transport. Moskva, Izd-vo "Morskoi transport,"
1961. 759 p. (MIRA 15:2)

(Merchant marine)

ZOTOV, D. M.

Operation of clarifiers developed by the All-Union Hydraulic and
Sanitary Engineering Research Institute. Vod. i san. tekhn. no.9:
35-36 S '61. (MIRA 14:11)

(Water--Purification)

AID P - 4244

Subject : USSR/Engineering
Card 1/1 Pub. 128 - 2/33
Authors : Vernik, A. B., Laureate of the Stalin Prize, Engineer,
and F. S. Zotov, Engineer
Title : Separate drive for leading wheels of bridge cranes
of great lifting capacity.
Periodical : Vest. mash., #1, p. 7-12, Ja 1956
Abstract : The construction of the undercarriage of large bridge
cranes is outlined and especially the construction of
separate drive installations for leading wheels is
presented. Diagrams, photos.
Institution : None
Submitted : No date

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VERNIK, A.B., laureat Stalinskoy premii, inzhener; ZOTOV, P.S.

Separate drives for the running wheels of large load capacity
bridge cranes. Vest.mash. 36 no.1:7-12 Ja '56. (MLRA (;3)
(Cranes, derrick, etc.)

ZOTOV, F.Ya.

Recollections about V.K.TSeraskii. Ist.-astr.issl.no.1:335-342
'55. (MLRA 9:12)

(TSeraskii, Vitol'd Karlovich, 1849-1925)

ZOTOV, G., kand.ekonom.nauk

Structural changes in the organizational trade forms in capitalist
countries. Sov. torg. 36 no.9:50-54 S '63. (MIRA 16:10)

ZOTOV, G.

Answer to the periodical "Business week". Sov. torg. 33 no.12:42-43
D '59. (MIRA 13:2)
(United States--Installment contracts)

MEN'ZHINSKIY, Ye.; ZOTOV, G.

Bidding in international trade. Vnesh. terg. 28 no.9:28-33 '58,
(MIRA 11:10)
(Public contracts)

ZOTOV, G.; ADADUROV, Yu.; CHEPURNOY, I.

New ideas in fire tank designs. Pozh.delo 3 no.5:5-6 My '57.
(MIRA 10:7)
(Fire extinction--Water supply)

1. ZMIRNOV, V., ZOTOV, G., Engs.
2. USSR (600)
4. Lumber
7. Expand the production of glued parts. Za ekon mat. No. 1 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

BEREZIN, Vasilii Pavlovich; ZUTOV, Georgiy Aleksandrovich;
SHALAYEV, Stepan Alekseyevich; TERMOLIN, I.P., red.;
MYAKUSHKO, V.P., red.izd-va; KARLOVA, G.L., tekhn. red.

[Potentials for increasing labor productivity; from the
work practice of the Olenino Lumbering Camp] Rezervy rosta
proizvoditel'nosti truda; iz opyta raboty Oleninskogo les-
promkhoza. Moskva, Goslesbumizdat, 1963. 77 p.

(MIRA 16:12)

(Olenino (Kalinin Province))--Lumbering--Labor produktivity)

KOROTAYEV, Yu.P.; ZOTOV, G.A.

Calculations of technical operating conditions of gas wells by
the method of gradual changes of stationary states. Trudy
VNIIGAZ no.9:112-130 '60. (MIRA 16:7)
(Gas wells)

ZOTOV, G.A., Inzh.

Loader for loading fertilizers and chemicals into an airplane. Trakt. 1.
kol'hoz mash. no. 7:33-39 JI '64. (MIRA 18:7)

1. L'vovskaya mashinolspytatel'naya stantsiya.

ZOTOV, G.A.; BEREZIN, V.P.; SHALAYEV, S.A.; KESSEL', I.V.;
POLYANTSEV, V.A., red.

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Using nonstationary hydrodynamic methods for investigating
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1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnogo
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(MIRA 14:4)

(Lumbering--Dictionaries)
(English language--Dictionaries--Russian)

**KOROTAYEV, Yu. P., KORCHAZHKIN, M.T., ZOTOV, G.A., ZHAROV, N.V.,
MAKSIMOV, V.P., PETUKHOV, Ye. I., VOYTSITSSKIY, V.P.**

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11(2) PAPER I BOOK REPRODUCTION 501/2253

Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnogo gaza

Nauchnaya i eksperimental'naya laboratoriya razvitiya i ispol'zovaniya gazov (Development and Application of Gas Fields, Transportation of Gas) Moscow, Oostroyshchinskaya, 1979, 353 p. (Series: Izv. Vsesoyuznogo nauchno-issledovatel'skogo instituta prirodnogo gaza, 1, 500 copies printed.)

Sponsoring Agency: Otkrytoye upravleniye gazovoy promyshlennosti pri Sovete Ministrov SSSR.

Mo. i. Ye. M. Minkhly and V.S. Babai; Exec. Ed.: M.P. Maryayev; Trans. Ed.: A.S. Polozhin.

PURPOSE: This collection of articles is intended for scientists, engineers, and technicians associated with the gas industry.

COVERAGE: The articles discuss the development of gas fields, natural gas recovery, gas transportation, and subsurface gas conservation. Gas field operating conditions are analyzed from the commercial point of view. The author notes that due to the specific geological conditions prevailing in the Soviet Union the application of gas extraction methods of the type used in the West is not always advantageous. Individual articles discuss the problems of the development of gas fields with vertical gas filtration systems and the study of gas condensate. A number of articles are devoted to the study of unestablished gas flow in pipelines, and discuss theoretical problems connected with the performance of gas ejectors and compressors. The authors also deal with corrosion of the inner surface of gas pipelines. Conclusions made by the authors are supported by mathematical calculations. In parentheses are mentioned references accompany each article.

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GONIK, A.A.; ZOTOV, G.A.; ROKHLENKO, D.B.; GATSKOVICH, V.A., red.

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ZOTOV, G.A.; ROKHLENKO, D.B.

[Kresttsy logging camp of the Central Scientific Research Institute
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Calculating the flow resistances of a well imperfect with respect
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PORTNOV, I.G.; ZOTOV, G.A.

Consecutive performance of gas ejectors at steady above critical
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[Krestets logging camp of the Central Scientific Research Institute
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Year of work of the Kresttsy Lumber Camp. Les. prom. 11 No. 7, 1951.

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BEREZIN, V.P., inzhener; KOTOV, G.A., inzhener.

Experience of the most efficient lumber camps. Mekh. trud. rab. 7 no. 7:
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BARYSHNIKOV, A. I. : ZOTOV, G. A.

Lumbering - Kresttsy lumber camp.

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ACC NR: AP6001000

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SOURCE CODE: UR/02/16/65/000/022/00165/00166

AUTHOR: Zotov, G. A.

18
13

ORG: none

TITLE: Device for indicating the pendulum phase of a gravimetric pendulum instrument.
Class n2, No. 176435

12,44.55

SOURCE: Byulleten' izobretaniy i tovarnykh znakov, no. 22, 1965, 66

TOPIC TAGS: gravimeter, pendulum

ABSTRACT: This Author Certificate presents a device for indicating the pendulum phase of a gravimetric pendulum instrument by utilizing photocells. To increase the accuracy of measurement by the pendulum instrument, diffraction gratings are rigidly mounted in the instrument at the lower ends of the pendulums, parallel to their plane of oscillation.

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MELAMED, G.I.; TSVETKOV, V.D.; AYZMAN, D.S.; ZOTOV, G.I., inzh.,
retsenzent; LIVSHITS, Sh.Ya., inzh., red.

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Choice of the parameters of an electric network for connecting
electric motors. Vest. svyazi 22 no.12:15 D '62. (MIRA 16:1)
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POLYANIN, D.V.; ZOTOV, G.M.; GRYAZNOV, E.A.; MENZHINSKIY, Ye.A.; RUBININ, A.Ye.; CHEBOTAREVA, Ye.D.; ZAKHMATOV, M.I.; OKUNEVA, L.P.; SHMELEV, V.V.; STULOV, A.A.; POKHOVSKIY, A.N.; SHIL'OKRUT, V.A.; IVANOV, A.S.; NABOROV, V.B.; FINGENOV, V.P.; KUR'TEROV, V.G.; KHRAMTSOV, B.A.; BATYGIN, K.S.; BOGDANOV, O.S.; KROTOV, O.K.; GONCHAROV, A.N.; KRESTOV, B.D.; LYURSKIY, M.S.; SOKOL'NIKOV, G.O.; KAMENSKIY, N.N.; YASHCHENKO, G.I.; SADEL'NIKOV, L.V.; GERCHIKOVA, I.N.; FEDOROV, B.A.; STEPANOV, G.P.; BORODAYEVSKIY, A.D.; INGATUSHCHENKO, S.K.; VARTUMYAN, E.L.; KAPELINSKIY, Yu.N., red.; MAYOROV, B.V., red.; NABOROV, V.B., red.; SOLODKIN, R.G., red.; DROZDOV, A.G., red.; ROSHQHINA, L., red.; SOLOV'YEVA, G., mladshiy red.; CHEPELEVA, O., tekhn. red.

[The economy of capitalist countries in 1961; economically developed countries] Ekonomika kapitalisticheskikh stran v 1961 godu; ekonomicheski razvitye strany. Pod red. I.U.N. Kapelinskogo. Moskva, Sotsekgiz, 1962. 447 p. (MIRA 16:2)
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ZOTOV, German Mikhaylovich; BORISOVA, K., red.; DARONYAN, M., mlad-
shiy red.; NOGINA, N., tekhn. red.

[Retail trade in the United States] Roznichnaya torgovlia v
SShA. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1961. 164 p.
(MIRA 15:2)

(United States--Retail trade)

ZOTOV, G.M., inzh.

Automatic stop mechanisms for high-speed knitting machinery.
Tekst.prom. 21 no.3:60-62 Mr '61. (MTRA 14:3)
(Knitting machines)

KAPELINSKIY, Yu.N.; POLYANIN, D.V.; ZOPOV, G.M.; IVANOV, I.D.; SERGEYEV, Yu.A.; MENZHINSKIY, Ye.A.; KOSTYUKHIN, D.I.; DUDUKIN, A.N.; IVANOV, A.S.; FINOGENOV, V.P.; ZAKHMATOV, M.I.; SOLODKIN, R.G.; DUSHEN'KIN, V.N.; BOGDANOV, O.S.; SEROVA, L.V.; GONCHAROV, A.N.; LYUBSKIY, M.S.; PUCHIK, Ye.P. [deceased]; KAMENSKIY, N.N.; SABEL'NIKOV, L.V.; GERCHIKOVA, I.N.; FEDOROV, B.A.; KARAVAYEV, A.P.; KARPOV, L.N.; VARTUMYAN, E.L.; SHIPOV, Yu.P.; ROGOV, V.V.; BOGDANOV, I.I.; VLADIMIRSKIY, L.A.; LEBEDEV, B.I.; ANAN'YEV, P.G.; TRINICH, F.A.; GOLOVIN, Yu.M.; MATYUKHIN, I.S.; SEYFUL'MULYUKOV, A.M.; SHIL'DKROT, V.A.; ALEKSHYEV, A.F.; BORISENKO, A.P.; CHURAKOV, V.P.; SHASTITKO, V.M.; GERUS, V.G.; ORLOV, N.V., red.; KAPELINSKIY, Yu.N., red.; GORYUNOV, V.P., red. V redaktirovani primali uchastiye: BELOSHAPKIN, D.K., red.; GEORGIYEV, Ye.S., red.; KOSAREV, Ye.A., red.; PANKIN, M.S., red.; PICHUGIN, B.M., red.; SHKARENKOV, Yu.S., red.; MAKAROV, V., red.; BORISOVA, K., red.; CHEPELEVA, O., tekhn.red.

[The economy of capitalistic countries in 1958] Ekonomika kapitalisticheskikh stran v 1958 godu. Pod red. N.V.Orlova, IU.N.Kapelinskogo, V.P.Goriunova. Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1959. 609 p. (MIRA 12:12)

1. Moscow. Nauchno-issledovatel'skiy kon'yunkturnyy institut.
(Economic conditions)

ZOTOV, G.N., aspirant

Adoption of a system of preferable figures for the unification of
industrially produced buildings in lumbering industry enterprises.
Sbor.trud. LIIZHT no.181:78-106 '62. (MIRA 16:9)

ZOTOV, G.N.

Applying preferred numbers in promoting module dimensions in
building. Standartizatsia 24 no.2:6-10 F '60. (MIRA 13:5)
(Modular coordination (Architecture))

137-58-6-11641

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 59 (USSR)

AUTHOR: Zotov, G.V.

TITLE: On the Question of Eliminating Continuous Washing of the Collector Electrodes of Blast-furnace Shop Gas Cleaning Electrical Precipitators (K voprosu ob otkaze ot postoyannoy promyvkhi osaditel'nykh elektrodov elektrofil'trov gazoochistok domennykh tsekhov)

PERIODICAL: Sb. statey. Gos. in-t tipovogo proyektir. i tekhn. issled., 1957, Vol 3, pp 38-55

ABSTRACT: The use of electrostatic precipitators (E) for the fine cleaning of blast furnace gas is a generally recognized procedure. Currently, the plants of the ferrous metals industry employ tubular E consisting of a system of tubes of 230-300 mm diameter, 3500-4500 mm long. The E are built for a gas capacity of 75-120,000 m³/hr, with 300 or more collector electrodes, and are designated, respectively, as types DM-300, DM-316, etc. In order to prevent the precipitation of blast-furnace flue dust on the surfaces of the electrodes, continuous washing is performed. This requires a markedly larger

Card 1/2

137-58-6-11641

On the Question of Eliminating (cont.)

amount of technically pure water than would otherwise be the case in the counterflow gas-cleaning cycle and large expenses for construction and operation. Thus, for example, the water consumption at a metallurgical plant with two or three blast furnaces of 1033 m³ capacity is 300-450 m³/hr. At the Kosaya Gora Metallurgical Plant, a test was run in the operation of DM-300 E with periodic washing of the precipitating electrodes once or twice per shift. It was established that the dust content of blast-furnace gas passing through E operating without continual washing was lower than with continual washing. This measure permits reduction of the water consumption of a gas-cleaning installation by 20% on the average.

B.S.

1. Blast furnaces--Equipment
2. Electrodes--Maintenance

Card 2/2

YAMPOL'SKIY, T.S.; ZOTOV, G.V.

[Catalog and handbook on cooling towers] Katalog-spravochnik po gradirniam. Moskva, 1962. 109 p. (MIRA 1966)

1. Moscow. Gosudarstvennyy institut tipovogo i eksperimental'nogo proyektirovaniya i tekhnicheskikh issledovaniy. 2. Mashal'nik otdela promyshlennykh vodoprovodnykh sooruzheniy Gosudarstvennogo instituta tipovogo i eksperimental'nogo proyektirovaniya i tekhnicheskikh issledovaniy (for Yampol'skiy). 3. Otdel promyshlennykh vodoprovodnykh sooruzheniy Gosudarstvennogo instituta tipovogo i eksperimental'nogo proyektirovaniya i tekhnicheskikh issledovaniy (for Zotov).

(Cooling towers)

APPROVED FOR RELEASE: Thursday, September 16, 2009
APPROVED FOR RELEASE: Thursday, September 26, 2002
CIA-RDP80-01538D0005510003-9

Electrolytic determination of nickel without the use of platinum electrodes. L. I. Pavovskii and G. V. Zolov. *J. Applied Chem. (U. S. S. R.)* 10, 1700-5 (in French 1705) (1937).--Results comparable to those obtained with Pt electrodes can be obtained with a Ni cathode and Fe anode. Eleven references. A. A. Podgorny

ASB 51A METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX

Physical chemical causes of irregularities in dyeing anti-

25

blue black. O. V. Zolny, *Kolloidchem. Z.* 10, No. 11-12, 81(1940); *Chem. Zvest.* 1941, II, 2361; cf. C. A. 26, 6654. —Nap-paddings contg. K are more stable than those contg. Na; they do not darken so readily during storage before printing with reserve colors. The darkening takes place (1) on heavy fabrics which are insufficiently dried or leave the drying chamber while too hot, (2) mostly in the summer (3) during transportation, (4) if the padding liquor is used after standing for 5-6 hrs. From a theoretical discussion of the vapor pressure of the acid salts in the padding liquor and their solvent powers Z. concludes that the formation of irregularities can be decreased greatly by the addition of KCl to the Na baths and by proper drying. Leopold Scheffka

118-11A METALLURGICAL LITERATURE CLASSIFICATION

RESEARCH TOPICS

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the theory of dyeing with aniline black. G. V. Zaslavsky, *Khropchevskaya Press*, 10, No. 1-2, 49-51 (1941); *Chem. Zvest.* 1940, 11, 2683. The most likely mechanism of aniline-black dyeing is that proposed by Laitfuth and Gayard. The oxidized form of the catalyst, α - α' -Fe(SO₄)₂, CuCl₂ or K₃[Fe(CN)₆], oxidizes with the aniline, and is itself reduced. This reduction product is oxidized by chlorate. The following processes are given for dyeing with aniline black. (1) Steam process with V salt: aniline-HCl 0.89, VCl₃ 0.00472, chlorate 0.37 mol. per l.; (1a) with K₃[Fe(CN)₆]: aniline-HCl 0.60, K₃[Fe(CN)₆] 3H₂O 0.11, chlorate 0.28 mol. per l. (2) Oxidation process (textile mills) aniline-HCl 0.60, CuSO₄·5H₂O 0.04, chlorate 0.15 mol. per l.; (2a) for furs: aniline-HCl 0.60, CuSO₄·5H₂O 0.08, chlorate 0.09. The ratios of the components are C₆H₅NH₂:HCl: chlorate 1:0.0078; 1:0.01; 1:0.26; C₆H₅NH₂:HCl: catalyst 1:0.0008; 1:0.4; 1:0.07; 1:0.22; chlorate:catalyst 1:0.0008; 1:0.4; 1:0.26; 1:0.00. The effect of the K₃[Fe(CN)₆] is discussed. It acts as a catalyst and a neutralizer. It protects the textile from the acid formed by the hydrolysis of aniline-HCl. In the morning chamber it is transformed into K₃Fe(CN)₆, and consequently the degree of acidity of the textile increases. Therefore, it becomes necessary to neutralize the acid with NH₃, if the textile is not processed forthwith.

ASS-11A METALLURGICAL LITERATURE CLASSIFICATION

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100	100	100	100	100

A-1

BC

Electrolytic dissociation of complex cyanides of iron. H. V. Nekrasov and G. V. Zolov, *J. Appl. Chem. Russ.*, 1941, 14, 261-269. —The dissociation consts. of the first and second H atoms of $H_4[Fe(CN)_6]$ and of all three H of $H_3[Fe(CN)_6]$ are of the same order of magnitude as is that of HCl. Those of the third and fourth H of $H_4[Fe(CN)_6]$ are, respectively, 10^{-6} and 5×10^{-6} . R. T.

BC

B-II-6

Turbulent dyeing of wool at temperatures below 100°. Ch. V. Berry (J. Appl. Chem. Res., 1936, 9, 1014-1015).--The turbulent dyeing (cf. Rowell and Thomas, B., 1936, (28)) gives better results than the ordinary process if applied to wool (cf. the dyeing of wool fibers and rabbit fur proceeds in the same way whether with or without air-bubbling). The turbulence promotes the diffusion and gives no other effect.
J. J. B.

Common Elements

OPEN

ASB-31A METALLURGICAL LITERATURE CLASSIFICATION

FROM 177-0010

EX-101

STEEL LIBRARY

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU	LV	LW	LX	LY	LZ	MA	MB	MC	MD	ME	MF	MG	MH	MI	MJ	MK	ML	MM	MN	MO	MP	MQ	MR	MS	MT	MU	MV	MW	MX	MY	MZ	NA	NB	NC	ND	NE	NF	NG	NH	NI	NJ	NK	NL	NM	NN	NO	NP	NQ	NR	NS	NT	NU	NV	NW	NX	NY	NZ	OA	OB	OC	OD	OE	OF	OG	OH	OI	OJ	OK	OL	OM	ON	OO	OP	OQ	OR	OS	OT	OU	OV	OW	OX	OY	OZ	PA	PB	PC	PD	PE	PF	PG	PH	PI	PJ	PK	PL	PM	PN	PO	PP	PQ	PR	PS	PT	PU	PV	PW	PX	PY	PZ	QA	QB	QC	QD	QE	QF	QG	QH	QI	QJ	QK	QL	QM	QN	QO	QP	QQ	QR	QS	QT	QU	QV	QW	QX	QY	QZ	RA	RB	RC	RD	RE	RF	RG	RH	RI	RJ	RK	RL	RM	RN	RO	RP	RQ	RR	RS	RT	RU	RV	RW	RX	RY	RZ	SA	SB	SC	SD	SE	SF	SG	SH	SI	SJ	SK	SL	SM	SN	SO	SP	SQ	SR	SS	ST	SU	SV	SW	SX	SY	SZ	TA	TB	TC	TD	TE	TF	TG	TH	TI	TJ	TK	TL	TM	TN	TO	TP	TQ	TR	TS	TT	TU	TV	TW	TX	TY	TZ	UA	UB	UC	UD	UE	UF	UG	UH	UI	UJ	UK	UL	UM	UN	UO	UP	UQ	UR	US	UT	UU	UV	UW	UX	UY	UZ	VA	VB	VC	VD	VE	VF	VG	VH	VI	VJ	VK	VL	VM	VN	VO	VP	VQ	VR	VS	VT	VU	VV	VW	VX	VY	VZ	WA	WB	WC	WD	WE	WF	WG	WH	WI	WJ	WK	WL	WM	WN	WO	WP	WQ	WR	WS	WT	WU	WV	WW	WX	WY	WZ	XA	XB	XC	XD	XE	XF	XG	XH	XI	XJ	XK	XL	XM	XN	XO	XP	XQ	XR	XS	XT	XU	XV	XW	XX	XY	XZ	YA	YB	YC	YD	YE	YF	YG	YH	YI	YJ	YK	YL	YM	YN	YO	YP	YQ	YR	YS	YT	YU	YV	YW	YX	YZ	ZA	ZB	ZC	ZD	ZE	ZF	ZG	ZH	ZI	ZJ	ZK	ZL	ZM	ZN	ZO	ZP	ZQ	ZR	ZS	ZT	ZU	ZV	ZW	ZX	ZY	ZZ
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117 AND 740 GROUPS PROCESSES AND PROPERTIES INDEX

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*Electrolytic Determination of Nickel Without Platinum Electrodes. I. I. Favorovskiy and G. V. Zolov (Zaur. Priklad. Khimii (J. Applied Chem.), 1937, 10, (9), 1700-1703). [In Russian.] The Fremy-Bergmann determination of Ni can be carried out with a Ni cathode and an anode of passive iron instead of Pt. The conditions recommended are: 150 c.c. of the solution containing 50 c.c. of ammonia solution and 5 gm. of crystallized ammonium sulphate; 2.4 v.; 0-13 amp. dm.²; 13-15 hrs. - N. A.

ASB-31A METALLURGICAL LITERATURE CLASSIFICATION

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ca

Electrolytic Dissociation of the Cyanides of Iron
H. V. Nekrasov and G. V. Kozlov. *J. Applied Chem. (U. S. S. R.)* 16, 414-4 (1943).—In order to clarify the effect of ferrocyanide and ferricyanide salts on the weakening of cloth in the course of formation of aniline black, the electrolytic dissociation of $H_4Fe(CN)_6$ and $H_3Fe(CN)_6$ was studied by potentiometric titration of the $K_4Fe(CN)_6$ salts with HCl , by use of a combination of glass electrode and calomel half-cell. The results indicate a considerable difference in behavior of the two substances. Although the dissociation of the first two is of $H_4Fe(CN)_6$ classes it with the fairly strong acids, the last two is also dissociated, considerably less. The method of titration data, by extrapolation, gave the dissociation constants $K_1 = 1 \times 10^{-4}$ and $K_2 = 5 \times 10^{-5}$. $H_3Fe(CN)_6$ shows considerably greater dissociation, so that even the last is dissociated, comparably to that of HCl , and therefore this substance belongs in all stages of dissociation to the class of strong acids. G. M. Kozlov

ASD-52A METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED	SERIALIZED	INDEXED	FILED	DATE	BY

ZOTOV, I.; KOMAROV, V.

Posters are a form of concrete propaganda of leading work methods.
Sots. trud. no. 8:122-126 Ag '58. (MIRA 11:9)

1. Sekretar' partkoma metallozavoda Moskovskogo oblastnogo sovnarkhoza (for Zotov). 2. Nachal'nik otdela truda i saraботnoy platy metallozavoda Moskovskogo oblastnogo sovnarkhona (for Komarov).
(Moscow Province--Metal industries) (Posters)

KATZERMAN, M.M., mayor meditsinskoy sluzhby; ZAVRAZHIN, M.K., podpolkovnik meditsinskoy sluzhby; KNYAZEV, S.V., podpolkovnik meditsinskoy sluzhby; KOBYAKOV, N.I., podpolkovnik meditsinskoy sluzhby; DOKUCHAYEV, G.M., podpolkovnik meditsinskoy sluzhby; PLETNEV, N.N., polkovnik meditsinskoy sluzhby; KHOROSHCHIEV, V.D., podpolkovnik meditsinskoy sluzhby; GORBACHIK, Ye.D., podpolkovnik meditsinskoy sluzhby; DRUKER, Yu.S.; NAZAROV, K.M.; KCMGOROV, P.R., polkovnik meditsinskoy sluzhby; KLIMENKO, A.V., podpolkovnik meditsinskoy sluzhby; RYAKHOVSKIY, I.Ye., podpolkovnik meditsinskoy sluzhby; IVAN'KOVICH, F.A.; GUBIN, S.V.; kapitan meditsinskoy sluzhby; ZOTOV, I.G., kapitan meditsinskoy sluzhby; LEONOVA, Ye.I.; BUNTOVSKIY, P.A., mayor meditsinskoy sluzhby; GERASIMOV, A.N., podpolkovnik meditsinskoy sluzhby; GUR'YEV, I.A., kapitan meditsinskoy sluzhby; KOLDOBSKIY, S.Z., mayor meditsinskoy sluzhby

Abstracts. Voен. med. zhur. no.10:74-79 0 '65.

(MIRA 18:11)

ZOTOV, I.I., inzh.

Efficient organization of equipment repair is the most important
source for labor saving in the machinery industry. Vest. mashinost.
45 no.5:76-77 My '65. (MIRA 18:6)

ZOTOV, I.M., inzh.

Long-distance dialing attachment to high-frequency apparatus.
Avtom., telem. i svlaz. 9 no.1:41 Ja '65. (MIRA 18:2)

1. Lyublinskaya distantsiya Moskovskoy dorogi.

ZOTOV, I.M., inzh.

Restoration of the brake beams of 40-U car decelerators.
Avtom., telem. i sviaz' 8 no.5:41 My '64.

(MIRA 17:10)

1. Lyublinskaya distantziya Moskovskoy dorogi.

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